

CCME0036: Education and Technology: Key Issues and Debates

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'2018 NMC Horizon Report | EDUCAUSE' (no date). Available at:
<https://library.educause.edu/resources/2018/8/2018-nmc-horizon-report>.

'A Framework for Conceptualising the Impact of Technology on Teaching and Learning' (no date). Available at: <https://www.j-ets.net/ETS/issuesd5e8.html?id=34>.

Al Lily, A.E.A. (2013) 'The social shaping of educational technologies in Saudi Arabia: An examination of how the social fabric shapes the construction and use of technologies', *Technology in Society*, 35(3), pp. 203–222. Available at:
<https://doi.org/10.1016/j.techsoc.2013.04.001>.

Bacca, JorgeBaldiris, SilviaFabregat, RamonGraf, SabineKinshuk (2014) 'Augmented Reality Trends in Education: A Systematic Review of Research and Applications', *Journal of Educational Technology & Society*, 17, pp. 133–149. Available at:
https://search.proquest.com/docview/1660156978?rfr_id=info%3Axri%2Fsid%3Aprimo.

Ball, S. (2013) *Foucault, power, and education*. New York: Routledge. Available at:
<https://doi.org/10.4324/9780203078662>.

Ball, S.J. (2017) *The education debate*. Third edition. Bristol, UK: Policy Press. Available at:
<http://jstor.org/stable/j.ctt1t893tk>.

Barnett, R. and Society for Research into Higher Education (1994) *The limits of competence: knowledge, higher education and society*. Buckingham: Society for Research into Higher Education & Open University Press.

Bayne, S. (2015a) 'Teacherbot: interventions in automated teaching', *Teaching in Higher Education*, 20(4), pp. 455–467. Available at:
<https://doi.org/10.1080/13562517.2015.1020783>.

Bayne, S. (2015b) 'What's the matter with "technology-enhanced learning"?', *Learning, Media and Technology*, 40(1), pp. 5–20. Available at:
<https://doi.org/10.1080/17439884.2014.915851>.

Bayne, S. and Land, R. (2005) 'Learning from Cyberspace', in *Education in cyberspace*. London: RoutledgeFalmer, pp. 117–129. Available at:
<https://contentstore.cla.co.uk/secure/link?id=bdc74f92-97ed-e811-80cd-005056af4099>.

Bayne, SiânJandrić, Petar (2017) 'From anthropocentric humanism to critical posthumanism in digital education', *Knowledge Cultures*, 5, pp. 197–216. Available at:

https://search.proquest.com/docview/1936098906?rfr_id=info%3Axri%2Fsid%3Aprimo.

Bijker, W.E. et al. (2012) The social construction of technological systems: new directions in the sociology and history of technology [electronic resource]. Anniversary. Cambridge, Mass: MIT Press. Available at:
http://ucl.alma.exlibrisgroup.com/view/action/uresolver.do?operation=resolveService&package_service_id=3239170340004761&institutionId=4761&customerId=4760.

Bolter, J.D. (1991) Writing space: the computer, hypertext, and the history of writing. Hillsdale, N.J.: L. Erlbaum Associates. Available at:
<https://www.taylorfrancis.com/books/9781410600110>.

Bonk, C.J. (2011) The World is Open. San Francisco, CA, USA: Jossey-Bass. Available at:
<https://doi.org/10.1002/9781118269381>.

Buckingham, D. (1993) Children talking television: the making of television literacy. London: Falmer.

Buckingham, D. (2013) 'Chapter 8: Digital Media Literacies', in Beyond Technology: Children's Learning in the Age of Digital Culture. 1st edn. Hoboken: Wiley. Available at:
<http://ucl.eblib.com/patron/FullRecord.aspx?p=1174290>.

Burbules, N.C. (2016) 'How We Use and Are Used by Social Media in Education', Educational Theory, 66(4), pp. 551-565. Available at: <https://doi.org/10.1111/edth.12188>.

Carr, D. (2011) 'Constructing Disability in Online Worlds; Conceptualising Disability in Online Research', in A. Peachey and M. Childs (eds) Reinventing Ourselves: Contemporary Concepts of Identity in Virtual Worlds. London: Springer London, pp. 177-190. Available at:
<https://ebookcentral.proquest.com/lib/ucl/reader.action?docID=769977&ppg=186>.

Cassen, R., McNally, S. and Vignoles, A. (2015) 'Chapter 10: ICT in the classroom', in Making a difference in education: what the evidence says. Abingdon: Routledge.

Collins, A and Halverson, R (2009) Re-thinking education in the age of technology: The Digital Revolution and Schooling in America. Teachers College Press.

'Connected Learning: An Agenda for Research and Design' (no date). Available at:
https://dmlhub.net/wp-content/uploads/files/Connected_Learning_report.pdf.

Crook, C. (2012) 'The "digital native" in context: tensions associated with importing Web 2.0 practices into the school setting', Oxford Review of Education, 38(1), pp. 63-80. Available at: <https://doi.org/10.1080/03054985.2011.577946>.

Cuban, L. (1986) 'Chapter 3: Explaining teacher use of machines in classrooms', in Teachers and machines: the classroom use of technology since 1920. New York: Teachers College, Columbia University. Available at:
<https://contentstore.cla.co.uk/secure/link?id=252af97d-9bed-e811-80cd-005056af4099>.

Cuban, L. and Jandrić, P. (2015) 'The dubious promise of educational technologies:

Historical patterns and future challenges', *E-Learning and Digital Media*, 12(3-4), pp. 425-439. Available at: <https://doi.org/10.1177/2042753015579978>.

Dean, J. (2010) *Blog theory: feedback and capture in the circuits of drive*. Cambridge, UK: Polity Press.

'Digital native' and "digital immigrant" discourses: a critique' (no date) in *Digital differences: perspectives on online education*, pp. 159-170. Available at: <https://link.springer.com/book/10.1007%2F978-94-6091-580-2>.

'E-learning policy and the "transformation" of schooling: a UK case study' (no date). Available at: http://www.eurodl.org/materials/contrib/2007/Adrian_Mee.htm.

Facer, K. and Sandford, R. (2010) 'The next 25 years?: future scenarios and future directions for education and technology', *Journal of Computer Assisted Learning*, 26(1), pp. 74-93. Available at: <https://doi.org/10.1111/j.1365-2729.2009.00337.x>.

Ferster, B. (2016) *Sage on the screen: education, media, and how we learn*. Baltimore, Maryland: Johns Hopkins University Press.

Friesen, N. and Lowe, S. (2012) 'The questionable promise of social media for education: connective learning and the commercial imperative', *Journal of Computer Assisted Learning*, 28(3), pp. 183-194. Available at: <https://doi.org/10.1111/j.1365-2729.2011.00426.x>.

Gee, J.P. (2007) 'INTRODUCTION: 36 WAYS TO LEARN A VIDEO GAME', in *What video games have to teach us about learning and literacy*. Rev. and updated ed. Basingstoke: Palgrave Macmillan. Available at: <https://contentstore.cla.co.uk/secure/link?id=6f58c19e-3013-e911-80cd-005056af4099>.

Goldie, J.G.S. (2016) 'Connectivism: A knowledge learning theory for the digital age?', *Medical Teacher*, 38(10), pp. 1064-1069. Available at: <https://doi.org/10.3109/0142159X.2016.1173661>.

Goodman, P.S. (2002) 'Cognitive tutors: From the research classroom to all classrooms', in *Technology enhanced learning: opportunities for change*. Mahwah, N.J.: Lawrence Erlbaum Associates, pp. 235-263.

Gourlay, L., Lanclos, D.M. and Oliver, M. (2015) 'Sociomaterial Texts, Spaces and Devices: Questioning "Digital Dualism" in Library and Study Practices', *Higher Education Quarterly*, 69(3), pp. 263-278. Available at: <https://doi.org/10.1111/hequ.12075>.

Harasim, L.M. (2017a) *Learning theory and online technologies*. Second edition. New York, NY: Routledge.

Harasim, L.M. (2017b) *Learning theory and online technologies*. Second edition. New York, NY: Routledge.

Haythornthwaite, C.A. et al. (eds) (2016a) 'The Ethics of Learning and Technology Research', in *The SAGE handbook of e-learning research*. Second edition. London: SAGE Publications, pp. 211-231.

Haythornthwaite, C.A. et al. (eds) (2016b) 'The future of e-learning', in The SAGE handbook of e-learning research. Second edition. London: SAGE Publications, pp. 537–556.

Haythornthwaite, C.A. et al. (eds) (2016c) The SAGE handbook of e-learning research. Second edition. London: SAGE Publications.

Henderson, M. and Romeo, G. (2015a) 'Considering the history of digital technologies in education', in Teaching and digital technologies: big issues and critical questions. Port Melbourne, VIC: Cambridge University Press. Available at: <http://ro.uow.edu.au/cgi/viewcontent.cgi?article=2830&context=sspapers>.

Henderson, M. and Romeo, G. (2015b) Teaching and digital technologies: big issues and critical questions. Port Melbourne, VIC: Cambridge University Press.

Jenkins, H., Itō, M. and boyd, danah (2016) 'Chapter 4: Learning and Literacy', in Participatory culture in a networked era: a conversation on youth, learning, commerce, and politics. Cambridge, UK: Polity Press.

Karabulut-Ilgu, A., Jaramillo Cherrez, N. and Jahren, C.T. (2018) 'A systematic review of research on the flipped learning method in engineering education', British Journal of Educational Technology, 49(3), pp. 398–411. Available at: <https://doi.org/10.1111/bjet.12548>.

Kivinen, O., Piironen, T. and Saikkonen, L. (2016) 'Two viewpoints on the challenges of ICT in education: knowledge-building theory vs. a pragmatist conception of learning in social action', Oxford Review of Education, 42(4), pp. 377–390. Available at: <https://doi.org/10.1080/03054985.2016.1194263>.

Knoblauch, H. (2014) 'Chapter 1: Introduction', in PowerPoint, communication, and the knowledge society. First paperback edition. New York: Cambridge University Press. Available at: http://ucl.alma.exlibrisgroup.com/view/action/uresolver.do?operation=resolveService&package_service_id=3238594300004761&institutionId=4761&customerId=4760.

Langmia, K. (2016) Globalization and cyberculture: an Afrocentric perspective. Cham, Switzerland: Springer Nature.

Laurillard, D. (2012) 'Chapter 1: Teaching as a Design Science', in Teaching as a design science: building pedagogical patterns for leaning and technology. New York, NY: Routledge. Available at: http://ucl.alma.exlibrisgroup.com/view/action/uresolver.do?operation=resolveService&package_service_id=3237520310004761&institutionId=4761&customerId=4760.

Laurillard, D. (2016) 'The educational problem that MOOCs could solve: professional development for teachers of disadvantaged students', Research in Learning Technology, 24(1). Available at: <https://doi.org/10.3402/rlt.v24.29369>.

Lave, J and Wenger, E (1996) 'Practice, person, social world', in An introduction to

Vygotsky. London: Routledge, pp. 143–150.

Lawless, K.A. (2016) 'Educational Technology: False prophet or sacrificial lamb. A review of policy, research and practice', *Policy Insights from the Behavioral and Brain Sciences*, 3(2), pp. 169–176. Available at: <https://doi.org/10.1177/2372732216630328>.

Livingstone, S. (2012) 'Critical reflections on the benefits of ICT in education', *Oxford Review of Education*, 38(1), pp. 9–24. Available at: <https://doi.org/10.1080/03054985.2011.577938>.

Livingstone, S.M. and Sefton-Green, J. (2016) *The Class: Living and Learning in the Digital Age* [electronic resource]. New York: New York University Press. Available at: http://ucl.alma.exlibrisgroup.com/view/action/uresolver.do?operation=resolveService&package_service_id=3239246440004761&institutionId=4761&customerId=4760.

McLuhan, M., Agel, J. and Fiore, Q. (2001) *The medium is the message: an inventory of effects*. Corte Madera, Calif: Gingko Press.

Murphy, M. (ed.) (2013) *Social theory and education research: understanding Foucault, Habermas, Bourdieu and Derrida*. London: Routledge. Available at: http://ucl.alma.exlibrisgroup.com/view/action/uresolver.do?operation=resolveService&package_service_id=3239167480004761&institutionId=4761&customerId=4760.

New London Group (no date) 'A Pedagogy of Multiliteracies: Designing Social Futures', *Harvard Educational Review*, 66(1), pp. 60–92. Available at: https://search.proquest.com/docview/85606386?rfr_id=info%3Axri%2Fsid%3Aprimo.

Oliver, M. (2005) 'The Problem with Affordance', *E-Learning and Digital Media*, 2(4), pp. 402–413. Available at: <https://doi.org/10.2304/elea.2005.2.4.402>.

Oliver, M. (2016) 'What is Technology?', in N. Rushby and D.W. Surry (eds) *The Wiley Handbook of Learning Technology*. Hoboken, NJ: John Wiley & Sons, Inc, pp. 35–57. Available at: <https://doi.org/10.1002/9781118736494>.

Oliver, M. and Trigwell, K. (2005) 'Can "Blended Learning" Be Redeemed?', *E-Learning and Digital Media*, 2(1), pp. 17–26. Available at: <https://doi.org/10.2304/elea.2005.2.1.17>.

Ong, W.J. and Hartley, J. (2012) *Orality and literacy: the technologizing of the word*. 30th anniversary ed.; 3rd ed. Abingdon: Routledge. Available at: http://ucl.alma.exlibrisgroup.com/view/action/uresolver.do?operation=resolveService&package_service_id=3242501530004761&institutionId=4761&customerId=4760.

Papacharissi, Z. (2014) *Affective publics: sentiment, technology, and politics*. New York: Oxford University Press. Available at: <http://dx.doi.org/10.1093/acprof:oso/9780199999736.001.0001>.

Papert, S. (1993) 'Chapter 7: Logo's roots: Piaget and AI', in *Mindstorms: children, computers, and powerful ideas*. 2nd ed. New York: Basic Books. Available at:

<https://contentstore.cla.co.uk/secure/link?id=b36d4f4f-3113-e911-80cd-005056af4099>.

Prensky, M. (2001) 'Digital Natives, Digital Immigrants', *On the Horizon*, 9(5). Available at: <http://www.marcprensky.com/writing/Prensky%20-%20Digital%20Natives,%20Digital%20Immigrants%20-%20Part1.pdf>.

Rae, I. and Neustaedter, C. (2017) 'Robotic Telepresence at Scale', in *Proceedings of the 2017 CHI Conference on Human Factors in Computing Systems - CHI '17*. ACM Press, pp. 313–324. Available at: <https://doi.org/10.1145/3025453.3025855>.

Redman, P. and Maples, W. (2017) 'Chapter 6: Thinking critically and formulating an argument.', in *Good essay writing: a social sciences guide*. Fifth edition. Los Angeles: SAGE. Available at: <https://contentstore.cla.co.uk/secure/link?id=c3706dfd-b518-e911-80cd-005056af4099>.

Rettberg, J.W. (2008) *Blogging*. Cambridge: Polity.

Rushby, N.J. and Surry, D.W. (2016) *The Wiley handbook of learning technology*. Chichester, West Sussex: Wiley Blackwell. Available at: http://ucl.alma.exlibrisgroup.com/view/action/uresolver.do?operation=resolveService&package_service_id=3242450590004761&institutionId=4761&customerId=4760.

Sawday, J. and Rhodes, N. (2000) *The Renaissance computer: knowledge technology in the first age of print*. London: Routledge. Available at: http://ucl.alma.exlibrisgroup.com/view/action/uresolver.do?operation=resolveService&package_service_id=3241761060004761&institutionId=4761&customerId=4760.

Selwyn, N. (2017a) 'Chapter 2: Does technology inevitably change education?', in *Education and technology: key issues and debates*. Second edition. London: Bloomsbury Academic, an imprint of Bloomsbury Publishing Plc.

Selwyn, N. (2017b) 'Chapter 3: A Short History of Educational Technology', in *Education and technology: key issues and debates*. Second edition. London: Bloomsbury Academic, an imprint of Bloomsbury Publishing Plc.

Selwyn, N. (2017c) 'Chapter 4: Technology and Learning', in *Education and technology: key issues and debates*. Second edition. London: Bloomsbury Academic, an imprint of Bloomsbury Publishing Plc.

Selwyn, N. (2017d) 'Chapter 7: Technology and Education Institutions', in *Education and technology: key issues and debates*. Second edition. London: Bloomsbury Academic, an imprint of Bloomsbury Publishing Plc.

Selwyn, N. et al. (2018) *Everyday schooling in the digital age: high school, high tech?* Abingdon, Oxon: Routledge.

Skinner, B.F. (1968) 'Chapter 3: Teaching machines', in *The technology of teaching*. New York: Appleton-Century-Crofts.

Standage, T. (1999) *The Victorian internet: the remarkable story of the telegraph and the nineteenth century's online pioneers*. London: Phoenix.

'The Impact of Digital Technology on Learning: A Summary for the Education Endowment Foundation' (no date). Available at:
<https://www.dur.ac.uk/education/staff/profile/?id=10741>.

'The Interactive Whiteboards, Pedagogy, and Pupil Performance: An Evaluation of the Schools Whiteboard Expansion Project (London Challenge)' (no date). Available at:
<http://discovery.ucl.ac.uk/10000905/>.

Thomas, D. and Brown, J.S. (2011) *A new culture of learning: cultivating the imagination for a world of constant change*. [United States]: [CreateSpace].

Wajcman, J. (2010) 'Feminist theories of technology', *Cambridge Journal of Economics*, 34(1), pp. 143–152. Available at: <https://doi.org/10.1093/cje/ben057>.

'What is connected learning and how to research it' (no date). Available at:
http://access.portico.org/Portico/#!/journalAUSimpleView/tab=PDF?cs=ISSN_19436068?ct=E-Journal%20Content?auld=ark:/27927/phx5dbcfmj2.