CCME0036: Education and Technology: Key Issues and Debates

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'2018 NMC Horizon Report | EDUCAUSE'. Web. <https://library.educause.edu/resources/2018/8/2018-nmc-horizon-report>.

'A Framework for Conceptualising the Impact of Technology on Teaching and Learning'. n. pag. Web. <https://www.j-ets.net/ETS/issuesd5e8.html?id=34>.

Al Lily, Abdulrahman E.A. '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 (2013): 203–222. Web.

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

Ball, Stephen. Foucault, Power, and Education. New York: Routledge, 2013. Web.

Ball, Stephen J. The Education Debate. Third edition. Bristol, UK: Policy Press, 2017. Web. <http://jstor.org/stable/j.ctt1t893tk>.

Barnett, Ronald and Society for Research into Higher Education. The Limits of Competence: Knowledge, Higher Education and Society. Buckingham: Society for Research into Higher Education & Open University Press, 1994. Print.

Bayne, Sian. 'Teacherbot: Interventions in Automated Teaching'. Teaching in Higher Education 20.4 (2015): 455–467. Web.

---. 'What's the Matter with "Technology-Enhanced Learning"?' Learning, Media and Technology 40.1 (2015): 5–20. Web.

Bayne, Siân, and Ray Land. 'Learning from Cyberspace'. Education in Cyberspace. London: RoutledgeFalmer, 2005. 117–129. Web. <https://contentstore.cla.co.uk/secure/link?id=bdc74f92-97ed-e811-80cd-005056af4099>.

Bayne, SiânJandrić, Petar. 'From Anthropocentric Humanism to Critical Posthumanism in Digital Education'. Knowledge Cultures 5 (2017): 197–216. Web. <https://search.proquest.com/docview/1936098906?rfr_id=info%3Axri%2Fsid%3Aprimo>.

Bijker, Wiebe E. et al. The Social Construction of Technological Systems: New Directions in the Sociology and History of Technology. Anniversary. Cambridge, Mass: MIT Press, 2012. Web. <http://ucl.alma.exlibrisgroup.com/view/action/uresolver.do?operation=resolveService&package_service_id=3239170340004761&institutionId=4761&customerId=4760>.

Bolter, J. David. Writing Space: The Computer, Hypertext, and the History of Writing. Hillsdale, N.J.: L. Erlbaum Associates, 1991. Web. <https://www.taylorfrancis.com/books/9781410600110>.

Bonk, Curtis J. The World Is Open. San Francisco, CA, USA: Jossey-Bass, 2011. Web. <http://doi.wiley.com/10.1002/9781118269381>.

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

---. Children Talking Television: The Making of Television Literacy. London: Falmer, 1993. Print.

Burbules, Nicholas C. 'How We Use and Are Used by Social Media in Education'. Educational Theory 66.4 (2016): 551–565. Web.

Carr, Diane. 'Constructing Disability in Online Worlds; Conceptualising Disability in Online Research'. Reinventing Ourselves: Contemporary Concepts of Identity in Virtual Worlds. Ed. Anna Peachey and Mark Childs. London: Springer London, 2011. 177–190. Web. <https://ebookcentral.proquest.com/lib/ucl/reader.action?docID=769977&ppg=186>.

Cassen, Robert, Sandra McNally, and Anna Vignoles. 'Chapter 10: ICT in the Classroom'. Making a Difference in Education: What the Evidence Says. Abingdon: Routledge, 2015. Print.

Collins, A and Halverson, R. Re-Thinking Education in the Age of Technology: The Digital Revolution and Schooling in America. Teachers College Press, 2009. Print.

'Connected Learning: An Agenda for Research and Design'. Web. <https://dmlhub.net/wp-content/uploads/files/Connected_Learning_report.pdf>.

Crook, Charles. 'The "Digital Native" in Context: Tensions Associated with Importing Web 2.0 Practices into the School Setting'. Oxford Review of Education 38.1 (2012): 63–80. Web.

Cuban, Larry. 'Chapter 3: Explaining Teacher Use of Machines in Classrooms'. Teachers and Machines: The Classroom Use of Technology since 1920. New York: Teachers College, Columbia University, 1986. Web. <https://contentstore.cla.co.uk/secure/link?id=252af97d-9bed-e811-80cd-005056af4099>.

Cuban, Larry, and Petar Jandrić. 'The Dubious Promise of Educational Technologies: Historical Patterns and Future Challenges'. E-Learning and Digital Media 12.3–4 (2015):

425–439. Web.

Dean, Jodi. Blog Theory: Feedback and Capture in the Circuits of Drive. Cambridge, UK: Polity Press, 2010. Print.

'Digital Native' and "Digital Immigrant" Discourses: A Critique'. Digital Differences: Perspectives on Online Education. N.p. 159–170. Web. <https://link.springer.com/book/10.1007%2F978-94-6091-580-2>.

'E-Learning Policy and the "transformation" of Schooling: A UK Case Study'. n. pag. Web. <http://www.eurodl.org/materials/contrib/2007/Adrian_Mee.htm>.

Facer, K., and R. Sandford. 'The next 25 Years?: Future Scenarios and Future Directions for Education and Technology'. Journal of Computer Assisted Learning 26.1 (2010): 74–93. Web.

Ferster, Bill. Sage on the Screen: Education, Media, and How We Learn. Baltimore, Maryland: Johns Hopkins University Press, 2016. Print.

Friesen, N., and S. Lowe. 'The Questionable Promise of Social Media for Education: Connective Learning and the Commercial Imperative'. Journal of Computer Assisted Learning 28.3 (2012): 183–194. Web.

Gee, James Paul. 'INTRODUCTION: 36 WAYS TO LEARN A VIDEO GAME'. What Video Games Have to Teach Us about Learning and Literacy. Rev. and updated ed. Basingstoke: Palgrave Macmillan, 2007. Web. <https://contentstore.cla.co.uk/secure/link?id=6f58c19e-3013-e911-80cd-005056af4099>.

Goldie, John Gerard Scott. 'Connectivism: A Knowledge Learning Theory for the Digital Age?' Medical Teacher 38.10 (2016): 1064–1069. Web.

Goodman, Paul S. 'Cognitive Tutors: From the Research Classroom to All Classrooms'. Technology Enhanced Learning: Opportunities for Change. Mahwah, N.J.: Lawrence Erlbaum Associates, 2002. 235–263. Print.

Gourlay, Lesley, Donna M. Lanclos, and Martin Oliver. 'Sociomaterial Texts, Spaces and Devices: Questioning "Digital Dualism" in Library and Study Practices'. Higher Education Quarterly 69.3 (2015): 263–278. Web.

Harasim, Linda M. Learning Theory and Online Technologies. Second edition. New York, NY: Routledge, 2017. Print.

---. Learning Theory and Online Technologies. Second edition. New York, NY: Routledge, 2017. Print.

Haythornthwaite, Caroline A. et al., eds. 'The Ethics of Learning and Technology Research'. The SAGE Handbook of E-Learning Research. Second edition. London: SAGE Publications, 2016. 211–231. Print.

---, eds. 'The Future of E-Learning'. The SAGE Handbook of E-Learning Research. Second

edition. London: SAGE Publications, 2016. 537–556. Print.

---, eds. The SAGE Handbook of E-Learning Research. Second edition. London: SAGE Publications, 2016. Print.

Henderson, Michael, and Geoff Romeo. 'Considering the History of Digital Technologies in Education'. Teaching and Digital Technologies: Big Issues and Critical Questions. Port Melbourne, VIC: Cambridge University Press, 2015. Web. <http://ro.uow.edu.au/cgi/viewcontent.cgi?article=2830&context=sspapers>.

---. Teaching and Digital Technologies: Big Issues and Critical Questions. Port Melbourne, VIC: Cambridge University Press, 2015. Print.

Jenkins, Henry, Mizuko Itō, and danah boyd. 'Chapter 4: Learning and Literacy'. Participatory Culture in a Networked Era: A Conversation on Youth, Learning, Commerce, and Politics. Cambridge, UK: Polity Press, 2016. Print.

Karabulut-Ilgu, Aliye, Nadia Jaramillo Cherrez, and Charles T. Jahren. 'A Systematic Review of Research on the Flipped Learning Method in Engineering Education'. British Journal of Educational Technology 49.3 (2018): 398–411. Web.

Kivinen, Osmo, Tero Piiroinen, and Loretta Saikkonen. '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 (2016): 377–390. Web.

Knoblauch, Hubert. 'Chapter 1: Introduction'. PowerPoint, Communication, and the Knowledge Society. First paperback edition. New York: Cambridge University Press, 2014. Web. <http://ucl.alma.exlibrisgroup.com/view/action/uresolver.do?operation=resolveService&package_service_id=3238594300004761&institutionId=4761&customerId=4760>.

Langmia, Kehbuma. Globalization and Cyberculture: An Afrocentric Perspective. Cham, Switzerland: Springer Nature, 2016. Print.

Laurillard, Diana. 'Chapter 1: Teaching as a Design Science'. Teaching as a Design Science: Building Pedagogical Patterns for Leaning and Technology. New York, NY: Routledge, 2012. Web. <http://ucl.alma.exlibrisgroup.com/view/action/uresolver.do?operation=resolveService&package_service_id=3237520310004761&institutionId=4761&customerId=4760>.

---. 'The Educational Problem That MOOCs Could Solve: Professional Development for Teachers of Disadvantaged Students'. Research in Learning Technology 24.1 (2016): n. pag. Web.

Lave, J and Wenger, E. 'Practice, Person, Social World'. An Introduction to Vygotsky. London: Routledge, 1996. 143–150. Print.

Lawless, Kimberly A. 'Educational Technology: False Prophet or Sacrificial Lamb. A Review of Policy, Research and Practice'. Policy Insights from the Behavioral and Brain Sciences

3.2 (2016): 169–176. Web.

Livingstone, Sonia. 'Critical Reflections on the Benefits of ICT in Education'. Oxford Review of Education 38.1 (2012): 9–24. Web.

Livingstone, Sonia M., and Julian Sefton-Green. The Class: Living and Learning in the Digital Age. New York: New York University Press, 2016. Web. <http://ucl.alma.exlibrisgroup.com/view/action/uresolver.do?operation=resolveService&package_service_id=3239246440004761&institutionId=4761&customerId=4760>.

McLuhan, Marshall, Jerome Agel, and Quentin Fiore. The Medium Is the Massage: An Inventory of Effects. Corte Madera, Calif: Gingko Press, 2001. Print.

Murphy, Mark, ed. Social Theory and Education Research: Understanding Foucault, Habermas, Bourdieu and Derrida. London: Routledge, 2013. Web. <http://ucl.alma.exlibrisgroup.com/view/action/uresolver.do?operation=resolveService&package_service_id=3239167480004761&institutionId=4761&customerId=4760>.

New London Group. 'A Pedagogy of Multiliteracies: Designing Social Futures'. Harvard Educational Review 66.1 60–92. Web. <https://search.proquest.com/docview/85606386?rfr_id=info%3Axri%2Fsid%3Aprimo>.

Oliver, M. 'What Is Technology?' The Wiley Handbook of Learning Technology. Ed. Nick Rushby and Daniel W. Surry. Hoboken, NJ: John Wiley & Sons, Inc, 2016. 35–57. Web. <http://doi.wiley.com/10.1002/9781118736494>.

Oliver, Martin. 'The Problem with Affordance'. E-Learning and Digital Media 2.4 (2005): 402–413. Web.

Oliver, Martin, and Keith Trigwell. 'Can "Blended Learning" Be Redeemed?' E-Learning and Digital Media 2.1 (2005): 17–26. Web.

Ong, Walter J., and John Hartley. Orality and Literacy: The Technologizing of the Word. 30th anniversary ed.; 3rd ed. Abingdon: Routledge, 2012. Web. <http://ucl.alma.exlibrisgroup.com/view/action/uresolver.do?operation=resolveService&package_service_id=3242501530004761&institutionId=4761&customerId=4760>.

Papacharissi, Zizi. Affective Publics: Sentiment, Technology, and Politics. New York: Oxford University Press, 2014. Web. <http://dx.doi.org/10.1093/acprof:oso/9780199999736.001.0001>.

Papert, Seymour. 'Chapter 7: Logo's Roots: Piaget and AI'. Mindstorms: Children, Computers, and Powerful Ideas. 2nd ed. New York: Basic Books, 1993. Web. <https://contentstore.cla.co.uk/secure/link?id=b36d4f4f-3113-e911-80cd-005056af4099>.

Prensky, Marc. 'Digital Natives, Digital Immigrants'. On the Horizon 9.5 (2001): n. pag. Web.

<http://www.marcprensky.com/writing/Prensky%20-%20Digital%20Natives,%20Digital%20Immigrants%20-%20Part1.pdf>.

Rae, Irene, and Carman Neustaedter. 'Robotic Telepresence at Scale'. Proceedings of the 2017 CHI Conference on Human Factors in Computing Systems - CHI '17. ACM Press, 2017. 313–324. Web. <http://dl.acm.org/citation.cfm?doid=3025453.3025855>.

Redman, Peter, and Wendy Maples. 'Chapter 6: Thinking Critically and Formulating an Argument.' Good Essay Writing: A Social Sciences Guide. Fifth edition. Los Angeles: SAGE, 2017. Web. <https://contentstore.cla.co.uk/secure/link?id=c3706dfd-b518-e911-80cd-005056af4099>.

Rettberg, Jill Walker. Blogging. Cambridge: Polity, 2008. Print.

Rushby, Nicholas John, and Daniel W. Surry. The Wiley Handbook of Learning Technology. Vol. 1. Chichester, West Sussex: Wiley Blackwell, 2016. Web. <http://ucl.alma.exlibrisgroup.com/view/action/uresolver.do?operation=resolveService&package_service_id=3242450590004761&institutionId=4761&customerId=4760>.

Sawday, Jonathan, and Neil Rhodes. The Renaissance Computer: Knowledge Technology in the First Age of Print. London: Routledge, 2000. Web. <http://ucl.alma.exlibrisgroup.com/view/action/uresolver.do?operation=resolveService&package_service_id=3241761060004761&institutionId=4761&customerId=4760>.

Selwyn, Neil. 'Chapter 2: Does Technology Inevitably Change Education?' Education and Technology: Key Issues and Debates. Second edition. London: Bloomsbury Academic, an imprint of Bloomsbury Publishing Plc, 2017. Print.

---. 'Chapter 3: A Short History of Educational Technology'. Education and Technology: Key Issues and Debates. Second edition. London: Bloomsbury Academic, an imprint of Bloomsbury Publishing Plc, 2017. Print.

---. 'Chapter 4: Technology and Learning'. Education and Technology: Key Issues and Debates. Second edition. London: Bloomsbury Academic, an imprint of Bloomsbury Publishing Plc, 2017. Print.

---. 'Chapter 7: Technology and Education Institutions'. Education and Technology: Key Issues and Debates. Second edition. London: Bloomsbury Academic, an imprint of Bloomsbury Publishing Plc, 2017. Print.

---. Everyday Schooling in the Digital Age: High School, High Tech? Abingdon, Oxon: Routledge, 2018. Print.

Skinner, B. F. 'Chapter 3: Teaching Machines'. The Technology of Teaching. New York: Appleton-Century-Crofts, 1968. Print.

Standage, Tom. The Victorian Internet: The Remarkable Story of the Telegraph and the Nineteenth Century's Online Pioneers. London: Phoenix, 1999. Print.

'The Impact of Digital Technology on Learning: A Summary for the Education Endowment Foundation'. n. pag. Web. <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)'. Web. <http://discovery.ucl.ac.uk/10000905/>.

Thomas, Douglas, and John Seely Brown. A New Culture of Learning: Cultivating the Imagination for a World of Constant Change. [United States]: [CreateSpace], 2011. Print.

Wajcman, J. 'Feminist Theories of Technology'. Cambridge Journal of Economics 34.1 (2010): 143–152. Web.

'What Is Connected Learning and How to Research It'. n. pag. Web. <http://access.portico.org/Portico/#!journalAUSimpleView/tab=PDF?cs=ISSN_19436068?ct=E-Journal%20Content?auId=ark:/27927/phx5dbcfmj2>.