## CCME0036: Education and Technology: Key Issues and Debates

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1

Buckingham D. Chapter 8: Digital Media Literacies. Beyond Technology: Children's Learning in the Age of Digital Culture [Internet]. 1st ed. Hoboken: Wiley; 2013. Available from: http://ucl.eblib.com/patron/FullRecord.aspx?p=1174290

2.

Laurillard D. Chapter 1: Teaching as a Design Science. Teaching as a design science: building pedagogical patterns for leaning and technology [Internet]. New York, NY: Routledge; 2012. Available from:

 $http://ucl.alma.exlibrisgroup.com/view/action/uresolver.do?operation=resolveService\& package\_service\_id=3237520310004761\& institutionId=4761\& customerId=4761\& operation=resolveService amp; package\_service\_id=3237520310004761\& institutionId=4761\& customerId=4761\& operation=resolveService amp; operation=res$ 

3.

Prensky M. Digital Natives, Digital Immigrants. On the Horizon [Internet]. 2001;9(5). Available from:

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

4.

Bayne S. What's the matter with 'technology-enhanced learning'? Learning, Media and Technology. 2015 Jan 2;40(1):5–20.

5.

Oliver, M. What is Technology? In: Rushby N, Surry DW, editors. The Wiley Handbook of

Learning Technology [Internet]. Hoboken, NJ: John Wiley & Sons, Inc; 2016. p. 35–57. Available from: http://doi.wiley.com/10.1002/9781118736494

6.

Digital native' and 'digital immigrant' discourses: a critique. Digital differences: perspectives on online education [Internet]. p. 159–170. Available from: https://link.springer.com/book/10.1007%2F978-94-6091-580-2

7.

New London Group. A Pedagogy of Multiliteracies: Designing Social Futures. Harvard Educational Review [Internet]. 66(1):60–92. Available from: https://search.proguest.com/docview/85606386?rfr\_id=info%3Axri%2Fsid%3Aprimo

8.

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

9.

Bonk CJ. The World is Open [Internet]. San Francisco, CA, USA: Jossey-Bass; 2011. Available from: http://doi.wiley.com/10.1002/9781118269381

10.

Connected Learning: An Agenda for Research and Design [Internet]. Available from: https://dmlhub.net/wp-content/uploads/files/Connected Learning report.pdf

11.

Bayne S. Teacherbot: interventions in automated teaching. Teaching in Higher Education. 2015 May 19;20(4):455–467.

Gourlay L, Lanclos DM, Oliver M. Sociomaterial Texts, Spaces and Devices: Questioning 'Digital Dualism' in Library and Study Practices. Higher Education Quarterly. 2015 Jul;69(3):263–278.

13.

Oliver M, Trigwell K. Can 'Blended Learning' Be Redeemed? E-Learning and Digital Media. 2005 Mar;2(1):17–26.

14.

A Framework for Conceptualising the Impact of Technology on Teaching and Learning. Available from: https://www.j-ets.net/ETS/issuesd5e8.html?id=34

15.

Goodman PS. Cognitive tutors: From the research classroom to all classrooms. Technology enhanced learning: opportunities for change. Mahwah, N.J.: Lawrence Erlbaum Associates; 2002. p. 235–263.

16.

Selwyn N. 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.

17.

Livingstone S. Critical reflections on the benefits of ICT in education. Oxford Review of Education. 2012 Feb;38(1):9–24.

18.

Friesen N, Lowe S. The questionable promise of social media for education: connective learning and the commercial imperative. Journal of Computer Assisted Learning. 2012 Jun;28(3):183–194.

Bayne S, Land R. Learning from Cyberspace. Education in cyberspace [Internet]. London: RoutledgeFalmer; 2005. p. 117–129. Available from: https://contentstore.cla.co.uk/secure/link?id=bdc74f92-97ed-e811-80cd-005056af4099

20.

The Impact of Digital Technology on Learning: A Summary for the Education Endowment Foundation. Available from: https://www.dur.ac.uk/education/staff/profile/?id=10741

21.

Bacca, JorgeBaldiris, SilviaFabregat, RamonGraf, SabineKinshuk. Augmented Reality Trends in Education: A Systematic Review of Research and Applications. Journal of Educational Technology & Society [Internet]. 2014;17:133–149. Available from: https://search.proquest.com/docview/1660156978?rfr id=info%3Axri%2Fsid%3Aprimo

22.

Karabulut-Ilgu A, Jaramillo Cherrez N, Jahren CT. A systematic review of research on the flipped learning method in engineering education. British Journal of Educational Technology. 2018 May;49(3):398–411.

23.

The Interactive Whiteboards, Pedagogy, and Pupil Performance: An Evaluation of the Schools Whiteboard Expansion Project (London Challenge) [Internet]. Available from: http://discovery.ucl.ac.uk/10000905/

24.

Oliver M. The Problem with Affordance. E-Learning and Digital Media. 2005 Dec;2(4):402–413.

25.

Lawless KA. Educational Technology: False prophet or sacrificial lamb. A review of policy, research and practice. Policy Insights from the Behavioral and Brain Sciences. 2016 Oct;3(2):169–176.

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

27.

Burbules NC. How We Use and Are Used by Social Media in Education. Educational Theory. 2016 Aug;66(4):551–565.

28.

Thomas D, Brown JS. A new culture of learning: cultivating the imagination for a world of constant change. [United States]: [CreateSpace]; 2011.

29.

Crook C. The 'digital native' in context: tensions associated with importing Web 2.0 practices into the school setting. Oxford Review of Education. 2012 Feb;38(1):63–80.

30.

Knoblauch H. Chapter 1: Introduction. PowerPoint, communication, and the knowledge society [Internet]. First paperback edition. New York: Cambridge University Press; 2014. Available from:

http://ucl.alma.exlibrisgroup.com/view/action/uresolver.do?operation=resolveService&package\_service\_id=3238594300004761&institutionId=4761&customerId=4760

31.

Selwyn N. 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.

Wajcman J. Feminist theories of technology. Cambridge Journal of Economics. 2010 Jan 1;34(1):143–152.

33.

Carr D. Constructing Disability in Online Worlds; Conceptualising Disability in Online Research. In: Peachey A, Childs M, editors. Reinventing Ourselves: Contemporary Concepts of Identity in Virtual Worlds [Internet]. London: Springer London; 2011. p. 177–190. Available from:

https://ebookcentral.proguest.com/lib/ucl/reader.action?docID=769977&ppg=186

34.

Bayne, SiânJandrić, Petar. From anthropocentric humanism to critical posthumanism in digital education. Knowledge Cultures [Internet]. 2017;5:197–216. Available from: https://search.proguest.com/docview/1936098906?rfr id=info%3Axri%2Fsid%3Aprimo

35.

Ball SJ. The education debate [Internet]. Third edition. Bristol, UK: Policy Press; 2017. Available from: http://jstor.org/stable/j.ctt1t893tk

36.

Bijker WE, Hughes TP, Pinch TJ, Douglas DG. The social construction of technological systems: new directions in the sociology and history of technology [Internet]. Anniversary. Cambridge, Mass: MIT Press; 2012. Available from:

http://ucl.alma.exlibrisgroup.com/view/action/uresolver.do?operation=resolveService&package\_service\_id=3239170340004761&institutionId=4761&customerId=4760

37.

Haythornthwaite CA, Andrews R, Fransman J, Meyers EM, editors. The Ethics of Learning and Technology Research. The SAGE handbook of e-learning research. Second edition. London: SAGE Publications; 2016. p. 211–231.

Papacharissi Z. Affective publics: sentiment, technology, and politics [Internet]. New York: Oxford University Press; 2014. Available from: http://dx.doi.org/10.1093/acprof:oso/9780199999736.001.0001

39.

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

40.

Laurillard D. The educational problem that MOOCs could solve: professional development for teachers of disadvantaged students. Research in Learning Technology. 2016 Jan;24(1).

41.

Livingstone SM, Sefton-Green J. The Class: Living and Learning in the Digital Age [Internet]. New York: New York University Press; 2016. Available from: http://ucl.alma.exlibrisgroup.com/view/action/uresolver.do?operation=resolveService&package\_service\_id=3239246440004761&institutionId=4761&customerId=4760

42.

Al Lily AEA. 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. 2013 Aug;35(3):203–222.

43.

Murphy M, editor. Social theory and education research: understanding Foucault, Habermas, Bourdieu and Derrida [Internet]. London: Routledge; 2013. Available from: http://ucl.alma.exlibrisgroup.com/view/action/uresolver.do?operation=resolveService&package\_service\_id=3239167480004761&institutionId=4761&customerId=4760

Selwyn N. 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.

45.

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

46.

Rae I, Neustaedter C. Robotic Telepresence at Scale. Proceedings of the 2017 CHI Conference on Human Factors in Computing Systems - CHI '17 [Internet]. ACM Press; 2017. p. 313–324. Available from: http://dl.acm.org/citation.cfm?doid=3025453.3025855

47.

Redman P, Maples W. Chapter 6: Thinking critically and formulating an argument. Good essay writing: a social sciences guide [Internet]. Fifth edition. Los Angeles: SAGE; 2017. Available from:

https://contentstore.cla.co.uk/secure/link?id=c3706dfd-b518-e911-80cd-005056af4099

48.

Henderson M, Romeo G. Considering the history of digital technologies in education. Teaching and digital technologies: big issues and critical questions [Internet]. Port Melbourne, VIC: Cambridge University Press; 2015. Available from: http://ro.uow.edu.au/cgi/viewcontent.cgi?article=2830&context=sspapers

49.

2018 NMC Horizon Report | EDUCAUSE [Internet]. Available from: https://library.educause.edu/resources/2018/8/2018-nmc-horizon-report

50.

E-learning policy and the 'transformation' of schooling: a UK case study. Available from: http://www.eurodl.org/materials/contrib/2007/Adrian\_Mee.htm

Sawday J, Rhodes N. The Renaissance computer: knowledge technology in the first age of print [Internet]. London: Routledge; 2000. Available from: http://ucl.alma.exlibrisgroup.com/view/action/uresolver.do?operation=resolveService&am

52.

Rettberg JW. Blogging. Cambridge: Polity; 2008.

53.

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

54.

Bolter JD. Writing space: the computer, hypertext, and the history of writing [Internet]. Hillsdale, N.J.: L. Erlbaum Associates; 1991. Available from: https://www.taylorfrancis.com/books/9781410600110

55.

Cuban L, Jandrić P. The dubious promise of educational technologies: Historical patterns and future challenges. E-Learning and Digital Media. 2015 Jun 12;12(3-4):425-439.

56.

Haythornthwaite CA, Andrews R, Fransman J, Meyers EM, editors. The future of e-learning. The SAGE handbook of e-learning research. Second edition. London: SAGE Publications; 2016. p. 537–556.

57.

Facer K, Sandford R. The next 25 years?: future scenarios and future directions for

education and technology. Journal of Computer Assisted Learning. 2010 Jan 12;26(1):74-93.

58.

Selwyn N. Chapter 4: Technology and Learning. Education and technology: key issues and debates. Second edition. London: Bloomsbury Academic, an imprint of Bloomsbury Publishing Plc; 2017.

59.

What is connected learning and how to research it. Available from: http://access.portico.org/Portico/#!journalAUSimpleView/tab=PDF?cs=ISSN\_19436068?ct= E-lournal%20Content?auId=ark:/27927/phx5dbcfmj2

60.

Gee JP. INTRODUCTION: 36 WAYS TO LEARN A VIDEO GAME. What video games have to teach us about learning and literacy [Internet]. Rev. and updated ed. Basingstoke: Palgrave Macmillan; 2007. Available from: https://contentstore.cla.co.uk/secure/link?id=6f58c19e-3013-e911-80cd-005056af4099

61.

Papert S. Chapter 7: Logo's roots: Piaget and Al. Mindstorms: children, computers, and powerful ideas [Internet]. 2nd ed. New York: Basic Books; 1993. Available from: https://contentstore.cla.co.uk/secure/link?id=b36d4f4f-3113-e911-80cd-005056af4099

62

Rushby NJ, Surry DW. The Wiley handbook of learning technology [Internet]. Chichester, West Sussex: Wiley Blackwell; 2016. Available from: http://ucl.alma.exlibrisgroup.com/view/action/uresolver.do?operation=resolveService&package\_service\_id=3242450590004761&institutionId=4761&customerId=4760

63.

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

Haythornthwaite CA, Andrews R, Fransman J, Meyers EM, editors. The SAGE handbook of e-learning research. Second edition. London: SAGE Publications; 2016.

65.

Harasim LM. Learning theory and online technologies. Second edition. New York, NY: Routledge; 2017.

66.

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

67.

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

68.

Kivinen O, Piiroinen T, Saikkonen L. 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. 2016 Jul 3;42(4):377–390.

69.

Lave, J and Wenger, E. Practice, person, social world. An introduction to Vygotsky. London: Routledge; 1996. p. 143–150.

70.

Goldie JGS. Connectivism: A knowledge learning theory for the digital age? Medical Teacher. 2016 Oct 2;38(10):1064–1069.

Skinner BF. Chapter 3: Teaching machines. The technology of teaching. New York: Appleton-Century-Crofts; 1968.

72.

McLuhan M, Agel J, Fiore Q. The medium is the massage: an inventory of effects. Corte Madera, Calif: Gingko Press; 2001.

73.

Harasim LM. Learning theory and online technologies. Second edition. New York, NY: Routledge; 2017.

74.

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

75.

Buckingham D. Children talking television: the making of television literacy. London: Falmer; 1993.

76.

Selwyn N, Nemorin S, Bulfin S, Johnson NF. Everyday schooling in the digital age: high school, high tech? Abingdon, Oxon: Routledge; 2018.

77.

Barnett R, 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.

Ong WJ, Hartley J. Orality and literacy: the technologizing of the word [Internet]. 30th anniversary ed.; 3rd ed. Abingdon: Routledge; 2012. Available from: http://ucl.alma.exlibrisgroup.com/view/action/uresolver.do?operation=resolveService&package\_service\_id=3242501530004761&institutionId=4761&customerId=4760

79.

Ball S. Foucault, power, and education. New York: Routledge; 2013.