Introduction to the Learning Sciences (EDUC4089) (XX4W27)



Anderson, John R., C. Franklin Boyle, and Brian J. Reiser. 1985. 'Intelligent Tutoring Systems'. Intelligent Tutoring Systems 228 (4698): 456-62. https://doi.org/10.1126/science.228.4698.456.

Azevedo, Roger, and Allyson F. Hadwin. 2005. 'Scaffolding Self-Regulated Learning and Metacognition – Implications for the Design of Computer-Based Scaffolds'. Instructional Science 33 (5–6): 367–79. https://doi.org/10.1007/s11251-005-1272-9.

Bruckman, Amy. 2000. 'Situated Support for Learning: Storm's Weekend With Rachael'. Journal of the Learning Sciences 9 (3): 329–72. https://doi.org/10.1207/S15327809|LS0903 4.

Cohen, D. K. 1990. 'A Revolution in One Classroom: The Case of Mrs. Oublier'. Educational Evaluation and Policy Analysis 12 (3): 311–29. https://doi.org/10.3102/01623737012003311.

Crowley, Kevin, Maureen A. Callanan, Jennifer L. Jipson, Jodi Galco, Karen Topping, and Jeff Shrager. 2001a. 'Shared Scientific Thinking in Everyday Parent-Child Activity'. Science Education 85 (6): 712–32. https://doi.org/10.1002/sce.1035.

———. 2001b. 'Shared Scientific Thinking in Everyday Parent-Child Activity'. Science Education 85 (6): 712–32. https://doi.org/10.1002/sce.1035.

Davis, Pryce, Michael Horn, Florian Block, Brenda Phillips, E. Margaret Evans, Judy Diamond, and Chia Shen. 2015. "Whoa! We're Going Deep in the Trees!": Patterns of Collaboration around an Interactive Information Visualization Exhibit. International Journal of Computer-Supported Collaborative Learning 10 (1): 53–76. https://doi.org/10.1007/s11412-015-9209-z.

Delpit, Lisa D. 1988. 'The Silenced Dialogue: Power and Pedagogy in Educating Other People's Children.' Harvard Educational Review 58 (3): 280–98. https://search.proquest.com/docview/212264098?accountid=8018.

diSessa, Andrea A., and Bruce L. Sherin. 2006. 'What Changes in Conceptual Change?' International Journal of Science Education 20 (10): 1155–91. https://doi.org/doi.org/10.1080/0950069980201002.

Easterday, Matthew Wayne, Daniel G Rees Lewis, and Elizabeth M Gerber. 2016. 'The Logic of the Theoretical and Practical Products of Design Research'. Australasian Journal of Educational Technology, July. https://doi.org/10.14742/ajet.2464.

Edelson, Daniel C. 2001. 'Learning-for-Use: A Framework for the Design of Technology-Supported Inquiry Activities'. Journal of Research in Science Teaching 38 (3): 355–85.

Georghiades, Petros. 2004. 'From the General to the Situated: Three Decades of Metacognition'. International Journal of Science Education 26 (3): 365–83. https://doi.org/10.1080/0950069032000119401.

Greeno, James G., and Shelley V. Goldman. 1998. 'Chapter 7, Cultivating Conceptual Change with Benchmark Lessons'. In Thinking Practices in Mathematics and Science Learning, 155–88. Mahwah, N.J.: Lawrence Erlbaum Associates. https://ebookcentral.proquest.com/lib/nottingham/reader.action?docID=1166478&ppg=16.

Henning, John E., Lynn E. Nielsen, Maria C. Henning, and Eric Uwe Schulz. 2008. 'Designing Discussions: Four Ways to Open Up a Dialogue'. The Social Studies 99 (3): 122–26. https://doi.org/10.3200/TSSS.99.3.122-126.

Herrenkohl, Leslie Rupert, Annemarie Sullivan Palincsar, Lezlie Salvatore DeWater, and Keiko Kawasaki. 1999. 'Developing Scientific Communities in Classrooms: A Sociocognitive Approach'. Journal of the Learning Sciences 8 (3–4): 451–93. https://doi.org/10.1080/10508406.1999.9672076.

Hu-Pei Au, Kathryn. 1980. 'Participation Structures in a Reading Lesson with Hawaiian Children: Analysis of a Culturally Appropriate Instructional Event'. Anthropology & Education Quarterly 11 (2): 91–115. http://www.jstor.org/stable/3216582.

Lee, Carol D. 2001. 'Is October Brown Chinese? A Cultural Modeling Activity System for Underachieving Students'. American Educational Research Journal 38 (1): 97–141. https://doi.org/10.3102/00028312038001097.

Lee, Carol D. 2003. 'Toward A Framework for Culturally Responsive Design in Multimedia Computer Environments: Cultural Modeling as a Case'. Mind, Culture, and Activity 10 (1): 42–61. https://doi.org/10.1207/S15327884MCA1001 05.

Lehrer, Richard, and Lee Shumow. 1997. 'Aligning the Construction Zones of Parents and Teachers for Mathematics Reform.' Cognition and Instruction 15 (1): 41–83. http://www.jstor.org/stable/3233755.

Lepper, Mark R. 1988. 'Motivational Considerations in the Study of Instruction'. Cognition and Instruction 5 (4): 289–309. https://doi.org/10.1207/s1532690xci0504_3.

Loewenberg Ball, Deborah, and Sharon Feiman-Nemser. 1988. 'Using Textbooks and Teachers' Guides: A Dilemma for Beginning Teachers and Teacher Educators.' Curriculum Inquiry 18 (4): 401–23. http://www.jstor.org/stable/1179386.

L.S. Vygotskiĭ. 1978. 'Chapter 6, Interaction between Learning and Development'. In Mind in Society: The Development of Higher Psychological Processes, 79–91. Cambridge, Mass: Harvard University Press.

https://ebookcentral.proguest.com/lib/nottingham/detail.action?docID=3301299.

Miller, George A. 2003. 'The Cognitive Revolution: A Historical Perspective'. Trends in Cognitive Sciences 7 (3): 141–44. https://doi.org/10.1016/S1364-6613(03)00029-9.

Moore, J. 2011. 'Behaviorism'. The Psychological Record 61 (3): 449–63. https://doi.org/10.1007/BF03395771.

Norman, Donald A. 1980. 'Twelve Issues for Cognitive Science'. Cognitive Science 4 (1): 1–32. https://doi.org/10.1207/s15516709cog0401 1.

———. 2013. 'Chapter 1, The Psychopathology of Everyday Things'. In The Design of Everyday Things, Rev. and expanded ed, 1–36. Cambridge, Mass: MIT Press. https://contentstore.cla.co.uk/secure/link?id=36a46993-9b82-e711-80cb-005056af4099.

'On Conceptual Metaphor and the Flora and Fauna of Mind: Commentary on Brookes and Etkina; and Jeppsson, Haglund, and Amin'. n.d. On Conceptual Metaphor and the Flora and Fauna of Mind: Commentary on Brookes and Etkina; and Jeppsson, Haglund, and Amin. http://www.tandfonline.com/doi/full/10.1080/09500693.2015.1025248.

Palincsar, Annemarie Sullivan, and Leslie Rupert Herrenkohl. 2002a. 'Designing Collaborative Learning Contexts'. Theory Into Practice 41 (1): 26–32. https://doi.org/10.1207/s15430421tip4101 5.

———. 2002b. 'Designing Collaborative Learning Contexts'. Theory Into Practice 41 (1): 26–32. https://doi.org/10.1207/s15430421tip4101_5.

Papleontiou-louca, Eleonora. 2003. 'The Concept and Instruction of Metacognition'. Teacher Development 7 (1): 9–30. https://doi.org/10.1080/13664530300200184.

Patten, James van, Chun-I Chao, and Charles M. Reigeluth. 1986. 'A Review of Strategies for Sequencing and Synthesizing Instruction.' Review of Educational Research 56 (4): 437–71. http://www.istor.org/stable/1170341.

Quintana, Chris, Meilan Zhang, and Joseph Krajcik. 2005. 'A Framework for Supporting Metacognitive Aspects of Online Inquiry Through Software-Based Scaffolding'. Educational Psychologist 40 (4): 235–44. https://doi.org/10.1207/s15326985ep4004_5.

Rosebery, Ann S., Beth Warren, and Faith R. Conant. 1992. 'Appropriating Scientific Discourse: Findings From Language Minority Classrooms'. Journal of the Learning Sciences 2 (1): 61–94. https://doi.org/10.1207/s15327809jls0201_2.

Sawyer, R. Keith. 2014. The Cambridge Handbook of the Learning Sciences. 2nd ed. Vol. Cambridge handbooks in psychology. New York: Cambridge University Press. https://doi.org/10.1017/CBO9781139519526.

Sherin, Bruce, Brian J. Reiser, and Daniel Edelson. 2004. 'Scaffolding Analysis: Extending the Scaffolding Metaphor to Learning Artifacts'. Journal of the Learning Sciences 13 (3): 387–421. https://doi.org/10.1207/s15327809jls1303 5.

Smith, Brian K., Jeana Frost, Meltem Albayrak, and Rajneesh Sudhakar. 2006. 'Facilitating Narrative Medical Discussions of Type 1 Diabetes with Computer Visualizations and Photography'. Patient Education and Counseling 64 (1–3): 313–21.

https://doi.org/10.1016/j.pec.2006.03.011.

Smith III, John P., Andrea A. diSessa, and Jeremy Roschelle. 1994. 'Misconceptions Reconceived: A Constructivist Analysis of Knowledge in Transition'. Journal of the Learning Sciences 3 (2): 115–63. https://doi.org/10.1207/s15327809jls0302 1.