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- Læreplan (06) biologi : <http://www.udir.no/kl06/BIO1-01/>
- Van Marion & Strømme (red.): Biologididaktikk, 2. utgave

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- Verhoeff, R. P. 2003. System thinking in cell biology education (Kapittel 3, avsnitt 3.3 og 3.4)
- Aronson, D (n.d.) Overview of system thinking.
- Geake, J. (2011). Position Statement on Motivations, Methodologies, and Practical Implications of Educational Neuroscience Research: fMRI studies of the neural correlates of creative intelligence. *Educational Philosophy and Theory*, 43(1), 43-47. doi:10.1111/j.1469-5812.2010.00706.x
- Markant, D. B., Ruggeri, A., Gureckis, T. M., & Xu, F. (2016). Enhanced Memory as a Common Effect of Active Learning. *Mind, Brain, and Education*, 10(3), 142-152. doi:10.1111/mbe.12117
- Miller, M. D. (2011). What college teachers should know about memory: a perspective from cognitive psychology. *College Teaching*, 59, 117-122.
- Nylén, J. (2015). Arbeidsminnet er begrenset. Men hvorfor? *Spesialpedagogikk*(6), 42-53.
- Shing, Y. L., & Brod, G. (2016). Effects of Prior Knowledge on Memory: Implications for Education. *Mind, Brain, and Education*, 10(3), 153-161. doi:10.1111/mbe.12110
- Shohamy, D., & Adcock, R. A. (2010). Dopamine and adaptive memory. *Trends in Cognitive Sciences*, 14(10), 464-472.
- Tardif, E., Doudin, P.-A., & Meylan, N. (2015). Neuromyths Among Teachers and Student Teachers. *Mind, Brain, and Education*, 9(1), 50-59. doi:10.1111/mbe.12070
- History of Biology
- Paul A. Kirschner, John Sweller & Richard E. Clark (2006) Why Minimal Guidance During Instruction Does Not Work: An Analysis of the Failure of Constructivist, Discovery, Problem-Based, Experiential, and Inquiry-Based Teaching, *Educational Psychologist*, 41:2, 75-86, DOI: 10.1207/s15326985ep4102_1
- Margus Pedaste, Mario Mäeots, Leo A. Siiman, Ton de Jong, Siswa A.N. van Riesen, Ellen T. Kamp, Constantinos C. Manoli, Zacharias C. Zacharia, Eleftheria Tsourlidaki (2015) Phases of inquiry-based learning: Definitions and the inquiry cycle
- Derek Hodson (2014) Learning Science, Learning about Science, Doing Science: Different goals demand different learning methods, *International Journal of Science Education*, 36:15, 2534-2553, DOI: 10.1080/09500693.2014.899722
- Thomas L. Fleischner, Robert E. Espinoza, Gretchen A. Gerrish, Harry W. Greene, Robin Wall Kimmerer, Eileen A. Lacey, Steven Pace, Julia K. Parrish, Hilary M. Swain, Stephen C. Trombulak, Saul Weisberg, David W. Winkler, Lisa Zander;

Teaching Biology in the Field: Importance, Challenges, and Solutions. *BioScience* 2017 bix036. doi: 10.1093/biosci/bix036

- Emilia Fägerstam & Jonas Blom (2013) Learning biology and mathematics outdoors: effects and attitudes in a Swedish high school context, *Journal of Adventure Education and Outdoor Learning*, 13:1, 56-75, DOI: 10.1080/14729679.2011.647432