

N. Woods and M. Mylopoulos
Recommended Readings

Models of Expertise and Transfer

1. Mylopoulos, M., & Woods, N. N. (2009). Having our cake and eating it too: seeking the best of both worlds in expertise research. *Medical Education*, 43(5), 406–413.
2. Bransford, J. D., & Schwartz, D. L. (1999). Rethinking transfer: A simple proposal with multiple implications. *Review of Research in Education*.

Integrated Instruction

1. Woods, N. N. (2007). Science is fundamental: the role of biomedical knowledge in clinical reasoning. *Medical Education*, 41(12), 1173–1177.
2. Kulasegaram, K. M., Martimianakis, M. A., Mylopoulos, M., Whitehead, C. R., & Woods, N. N. (2013). Cognition Before Curriculum. *Academic Medicine : Journal of the Association of American Medical Colleges*, 88(10), 1578–1585.

Adaptive Expertise

1. Bereiter C, Scardamalia M. *Surpassing Ourselves: An Inquiry into the Nature and Implications of Expertise*. La Salle, IL: Open Court; 1993.
2. Schwartz DL, Bransford JD, Sears D. Efficiency and innovation in transfer. In: Mestre JP, ed. *Transfer of learning from a Modern Multidisciplinary Perspective*. United States: Information Age publishing; 2005.

Preparation for Future Learning

1. Mylopoulos M, Woods NN. Preparing Medical Students For Future Learning
2. Using Basic Science Instruction. *Medical Education*. 2014;48(7):667-673.
3. Schwartz DL, Chase CC, Oppezzo MA, Chin DB. Practicing versus inventing with contrasting cases: The effects of telling first on learning and transfer. *Journal of Educational Psychology*. 2011;103(4):759-75.
4. Martin L, Schwartz DL. Prospective Adaptation in the Use of External Representations. *Cognition and Instruction*. 2009;27(4):370-400.

Desirable Difficulty and Guided-Discovery

1. Kornell, N., & Bjork, R. A. Learning concepts and categories is spacing the “enemy of induction?” *Psychological Science*. 2008; 19(6):585-92
2. Lee HS, Anderson JR. Student Learning: What Has Instruction Got to Do With It? *Annual Review of Psychology*. 2013;64(1):445-69.
3. DeCaro MS, Rittle-Johnson B. Exploring mathematics problems prepares children to learn from instruction. *Journal of Experimental Child Psychology*. 2012;113(4):552-68.
4. Kapur M. Productive Failure in Learning Math. *Cognitive Science*. 2014;38(5):1008-22.

Test-enhanced learning

1. Roediger, H. L., & Karpicke, J. D. (2006). Test-enhanced learning: taking memory tests improves long-term retention. *Psychological Science*, 17(3), 249–255
2. Mylopoulos, M., & Woods, N. (2014). Preparing medical students for future learning using basic science instruction. *Medical Education*, 48(7), 667–673.