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The question of transfer: investigating how mathematics contributes to a liberal education.

Dewar, Jacqueline M. (ed.) et al., Doing the scholarship of teaching and learning in mathematics. Washington, DC: The Mathematical Association of America (MAA) (ISBN 978-0-88385-193-7/pbk; 978-1-61444-318-6/ebook). MAA Notes 83, 183-189 (2015).

Summary: An opportunity, not a teaching or learning problem, prompted the investigation in this chapter, where all three types of SoTL questions make an appearance. The authors raise questions about evidence: what to gather and from whom, and how to analyze it. They describe unexpected difficulties they encountered. The study, completed in 2004, continues to offer lessons and open new avenues for the authors, their department, their university, and the discipline, especially related to quantitative literacy and first-year-seminar courses.

Classification: D20 M15 C35

Keywords: scholarship of teaching and learning; universities; educational research; transfer of knowledge; interdisciplinary approach; liberal arts; liberal education; collecting evidence; writing; proving; quantitative literacy; didactics of mathematics; educational diagnosis; analysis of learning outcomes; teaching-learning processes; institutional assessment; academic approach; professional development; peer review