

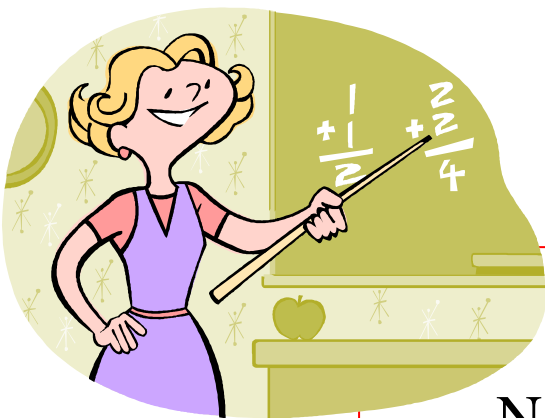
Theory and Practice in Elementary Mathematics Methods at NMU

by
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Pedagogical theory and practice have a long history of apparent incompatibility.

Generally, the theory advocated by University faculty is a pedagogy based on the NCTM *Standards and Principles* which promote the development of understanding of concepts through problem solving, representations, reasoning and proof, communication, and connections. One approach to presenting theory in the University classroom is through the use of modeling and videos of practice.

Often, what pre-service teachers encounter in their university classrooms conflicts with both their own experiences as students (their socialization into the pedagogy of practice) and the traditional teaching practices they observe in many elementary schools. The prospective teachers often reject the university theory for the “real world” practice.



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