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New insights into student understanding of electric circuits[1]

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New insights into student understanding of electric circuits have emerged from an ongoing investigation by the Physics Education Group at the University of Washington. The investigation is part of a larger effort to develop and refine research-based instructional materials on electric circuits for several different student populations.[2,3] The insights gained from this research have strong implications for instruction in a variety of contexts, including introductory physics courses and special physics courses for preservice and inservice teachers.

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[2]*Physics by Inquiry*, L.C. McDermott and the Physics Education Group at the University of Washington, Wiley (1996).
[3]*Tutorials in Introductory Physics*, L.C. McDermott, P.S. Shaffer and the Physics Education Group at the University of Washington, Prentice Hall (2002).