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Development of an instrument to measure preservice teachers' technology skills, technology beliefs, and technology barriers.

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Summary: The purpose of this study was to develop and field-test the Technology Skills, Beliefs, and Barriers scale and to determine its validity and reliability for use with preservice teachers. Data were collected from 176 preservice teachers enrolled in a field-based teacher education program located at a major Southwestern university in the United States. Results demonstrated that the scale is a valid and reliable measure of teachers' technology skills, beliefs, and barriers and has implications for preservice teacher technology preparation.

Classification: U79 D39 C29 R39

Keywords: computer as educational medium; research; survey instrument; teacher characteristics; teacher attitudes; preservice teacher education; technology use; technology integration; measurement

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