

Abstract Submitted
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A Traveling Physics Demonstration Show for Northern Kentucky.¹ S. NUTTER, M. O. ZACATE, L. KINNE, Northern Kentucky University — As a result of the 1990 Kentucky Education Reform Act, the Kentucky Department of Education has established a detailed grade-by-grade curriculum. This largely assures that students in a given grade level will have been exposed to the same Physics topics regardless of the school they attend. This allows one to design a Physics demonstration show that augments the Kentucky Program of Studies in Physical Science in addition to generating interest in Physics. In this presentation we shall discuss factors influencing the selection of demonstrations, including anecdotal evidence for which topics require special attention, and outline plans for evaluating whether or not the demonstrations improve student understanding through pre-demonstration and post-demonstration quizzes.

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