

AE05: 8:40–8:50 a.m. Adapting PER Strategies for Middle School Science Classes

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There is great potential in adapting, for the middle-school classroom, instructional strategies and curricular materials developed and validated for use with college students. Substantial modifications in content, format, and instructional design are needed and must conform to a variety of constraints such as time availability for instruction and grading, equipment and administrative resources, etc. I will describe my experiences in adapting PER-based materials and methods for weekly science classes taught to grades 5, 6, 7, and 8 during the 2010-2011 academic year. The context was a one-hour class taught each week to five different classes, all in the setting of a university instructional laboratory.

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