

Abstract Submitted
for the TSS07 Meeting of
The American Physical Society

Technology Based Tipers as an In-class Small Group Activity

PAUL WILLIAMS, Austin Community College — Tasks inspired by Physics Education Research (Tipers) address students' conceptual understanding of physics. By asking about physics concepts in alternative formats to back-of-the-chapter problems, student understanding can be elicited and further developed. Tipers can be used as in-class activities, homework problems and test items. The author will present his efforts to incorporate technology into Tipers used as in-class small group activities. The technology is incorporated both by making Physics Simulations a necessary part of the delivery of the Tipers and by recording student responses to the Tipers with clickers. Several sample activities drawn from DC circuits and Faraday's Law will be shown.

Abstract APS

Date submitted: 12 Mar 2007

Electronic form version 1.4