TSAAPTP workshop

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How to use College Physics:
Explore and Apply to help your students learn physics, learn to think like scientists, and to develop confidence in themselves

In this workshop the participants will learn how to use the innovative physics textbook “College Physics: Explore and Apply” (2e) by Etkina, Planiniscic and Van Heuvelen and all supporting materials to help their students learn introductory physics through practicing it. The textbook, the Active Learning Guide, the Instructor Guide and many other supplements engage students in the development of physics concepts through experimentation and reasoning, introduce them to a myriad of original representations that help bridge phenomena and mathematics, and engage them in expert problem solving of traditional and non-traditional problems. The materials are not only PER-based but tested with thousands of students. They are exceptionally helpful for those who are teaching AP Physics I and II in high schools and and preparing their students for MCAT. The textbook and the ALG have lots of innovative features that the participants explore in the workshop. The users of the materials have an on-line learning community where they share their ideas, tips and issues.