

Teaching for Success®

Faculty Success Center

Problem-based Learning Boosts Retention and Excitement

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odern science is not an accumulation of facts. It's the process of solving problems that explain the

mysteries of the physical universe.

So, why should much of college teaching be an accumulation of facts memorized from textbooks? Problem-based teaching is



a natural way to effectively teach the true nature of scientific inquiry. This teaching strategy is a successful method for training business professionals and reinforcing decision-making skills in attorneys, medical practitioners and policy makers.

What is it?

Problem-based teaching does not use the traditional lecture presentation approach to educating students. It relies on students interacting with each other and faculty in problem-solving situations. The process can be blended together with lecture and laboratory sessions to provide students with a comprehensive understanding of science. Problem-based teaching improves content retention in college sciences students and improves the students' abilities to solve open-ended queries.

Foremost, a successful problem-based activity applies recently-covered information from the lecture and the textbook to a contemporary issue. Later