

Classical Physics against New Physics in Teaching Science

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Abstract : Teaching Science in high school has been decreasing its quality for several years, and it is an obvious theme of discussion over more than 30 years. As a teacher of Secondary Education and a Professor of Technological University was necessary to work with some projects that attempt to articulate the different methodologies and concepts between both levels. Teaching Physics in Engineering Career is running between two waters. Disciplinary content and inconsistent training students got in high school. In the heady times facing humanity, teaching Science has become a race against time, and this is where it is worth stopping. Professor of Physics has outdated teaching tools against the relentless growth of knowledge in the Academic World. So we have raised from a pedagogical point of view the following question: Laboratory practices must continue to focus on traditional physics or should develop alternatives between old practices and new physics methodologies. Faced with this paradox, we stopped to try to answer from our experience, and our teaching and learning practice. These are one of the greatest difficulties presented in the Engineering work. The physics team will try to find new methodologies that are appealing to the population of students in the 21st century. Currently, the methodology used is question students about their personal interests. Once discovered mentioned interests, will be held some lines of action to facilitate achieving the goals.

Keywords : high school and university, level, students, physics, teaching physics

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