

Abstract Submitted  
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**Evidence-Based Teaching: Inquiry-Based Labs, Creativity and Curiosity** NENAD STOJILOVIC, University of Wisconsin Oshkosh — The main goal of Evidence-Based Teaching, also known as Scientific Teaching, is to improve teaching and learning by make teaching more scientific. This means to engage in teaching in the same way as we engage in science, through critical thinking, curiosity and experimentation, and with the emphasis on students' learning. In this talk I will present some examples of inquiry-based laboratory activities that promote students' creativity, curiosity, and critical thinking. I will also discuss some relatively unknown teaching pedagogies (for example, frequent testing) typically not used in physics classrooms that improve students' learning.

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