

## **Increasing the STEM Pipeline Through Problem-Based Learning Summary:**

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This paper discusses how the STEM PBL project team is working with industry and research universities to create a comprehensive series of multimedia PBL Challenges. A detailed summary of the PBL Challenge model is presented as well as a description of the online professional development course currently offered over the 2010-2011 academic year for in-service teachers in PBL instructional methods. A new classroom course in PBL instructional methods for pre-service TEE teachers and the research activities scheduled to take place to evaluate the effectiveness of the new Challenges are also discussed.