This presentation features a research and outreach project that focuses on the creation of a teacher professional development model that employs theatre arts techniques to engage high school students in STEM learning. This model, REAL Pedagogy, is based on the successful work of Project REAL-Reinforcing Education through Artistic Learning, an outreach project of the Barter Theater in Abingdon, VA. From a learning sciences perspective, these strategies are based on the principles of embodied cognition and implicit learning for instruction across the curriculum. Through bringing together experts in theatre arts, instructional design and technology, and the neurosciences, the project team is striving to create an evidence-based model for enhanced student engagement and positive learning gains.

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**Type:** STEM, Theatre Arts, Instructional Design, Neuroscience

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