Technology and the understanding of the human brain have progressed dramatically over the last half century, and yet science is often taught the same way it was a hundred years ago. Is there a better approach to teaching science that meets the needs of the modern student?

With increased demand for scientists and engineers comes a growing need to equip more future college students with the logic and problem-solving skills learned in physics. Unfortunately, traditional methods of teaching physics, and science in general, fall short for a variety of reasons.

In this talk, a local high school physics teacher will share a more recent method of teaching known as a "Flipped Mastery Model". This model shows great promise, using modern technology and education research to address flaws in the traditional approach and provide wider access to the important skills that a physics education can provide.