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The thinking classroom: High school physics reimaged

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The Thinking Classroom: High school Physics Reimagined

This project is a research-based creative endeavor that reimagines high school physics education. It proposes “The thinking classroom: High school physics reimagined”, a novel course design that fosters equity, engagement, and learning in the physics classroom. The course design draws on various principles and practices, such as: student assets, social-emotional learning, culturally responsive teaching, Peter Liljedahl’s “building thinking classroom” approach, project-based learning, formative feedback, brain-based learning, and AI personalization. The project shows how this course design can transform physics education and prepare students for the 21st century.