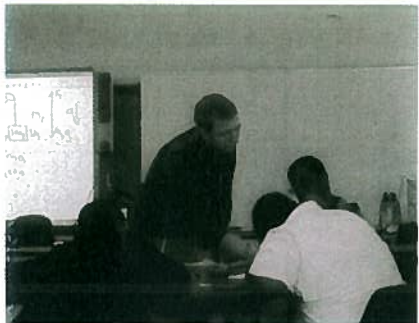


Visit www.idecorp.com to learn more about other innovative educators and technology trailblazers.



Tim Lamb, physics teacher at Liberty High School in Jersey City, NJ.



Tim Lamb facilitates learning with a small group of students in his Physics/Radical Algebra class.

Individualized Learning Through Technology

As students exit Tim Lamb's physics class at Liberty High School in Jersey City, NJ, they are rapping Newton's Laws of Motion. "In most classes students will try anything to listen to their iPods," Tim explains. "So, I tried to incorporate this and other technology into my lessons to appeal to their interests." With the Physics/Radical Algebra pilot course in the freshman classes in Jersey City, Tim creates many opportunities for students to be exposed to rigorous content. "The most important aspect of learning in my classroom is the ability to think critically, which requires

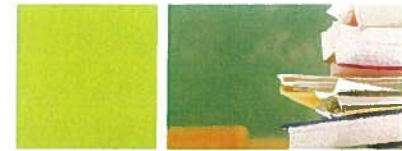
deeper meaning, not just memorization." By providing real-world examples, students make connections to physics and their own lives.

Technology, such as the podcast rap on Newton's Law Tim wrote and produced, aid in

and in groups so they can discuss and internalize content. "I want my students to work their absolute hardest to be successful in my class then apply that to every aspect of their lives while also having fun."

"The most important aspect of learning in my classroom is the ability to think critically, which requires deeper meaning, not just memorization."

retention, but Tim also uses the SmartBoard to illustrate diagrams or demonstrate problems, as well as the Senteo responders as a formative assessment technique to check for understanding. Students work both independently



TECH TONIC: Screencasting for Success!

Seeing is believing – but making explanatory videos can be cumbersome and time consuming. Screencasting is a quick and easy way to show something as a short video – complete with narration. Want to show how to use a tricky feature in Word? Screencast it. Want to see how a student tackles a tricky math problem? Have them screencast it to you! Want to give narrated feedback to a student on a written assignment? Load up the essay on the screen and screencast it while narrating your feedback!

Jing (which is available free from www.jingproject.com) is quick and easy screencasting software for PCs and Macs. It allows capture of pictures and screencasts – along with almost instantaneous upload to www.screencast.com – meaning that your screencasts can be immediately shared via IM, email, blog, wiki, or Web site.

Access the Tech Tonic section of the *IDEportal* at www.ideportal.com to learn more about how technology can be used to transform instruction.

