Teaching Physics with a SMART Board

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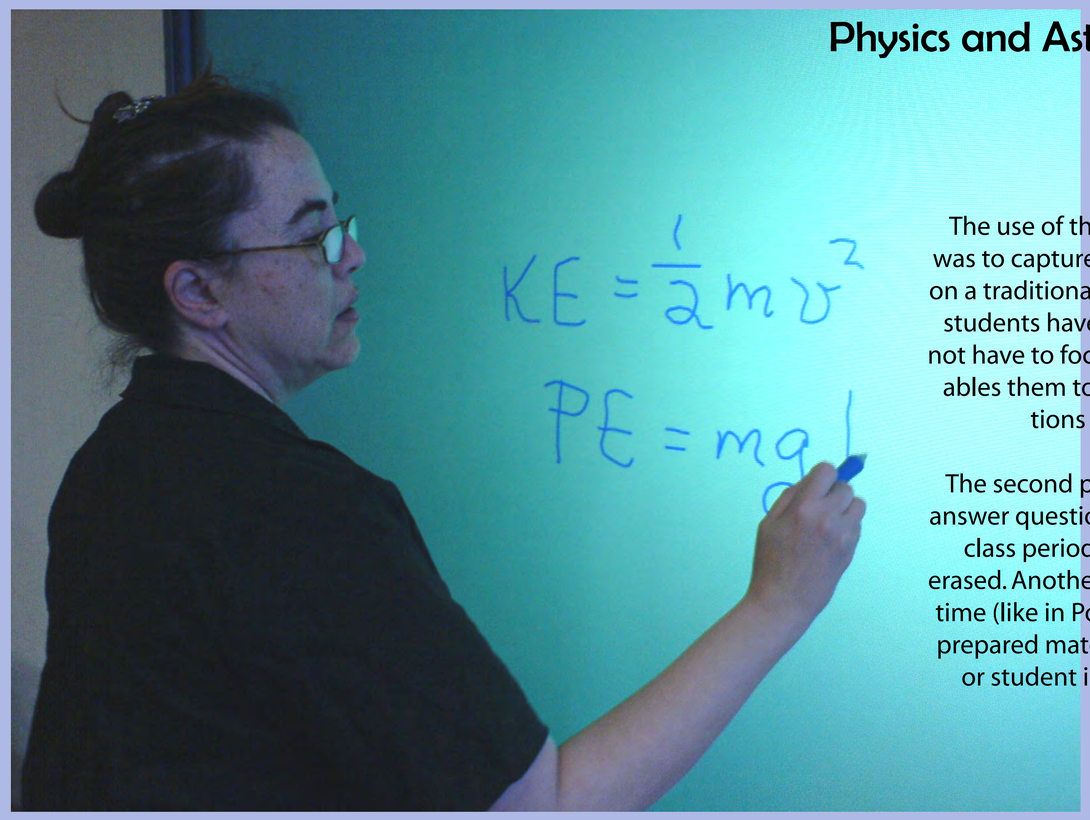


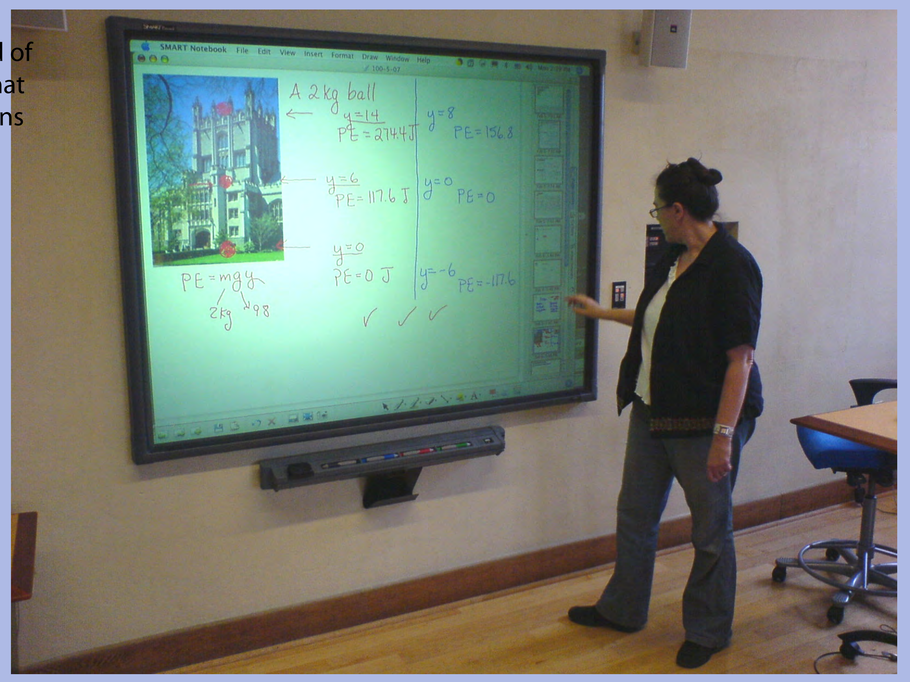
Pedagogical goals

The use of the SMART Board has several goals for me. One goal was to capture all of the material that I would have previously put on a traditional blackboard. This serves two purposes, one that the students have access to these notes after class and therefore do not have to focus as intently on getting every detail down. This enables them to pay more attention to what I am saying, ask questions and participate more fully in discussions.

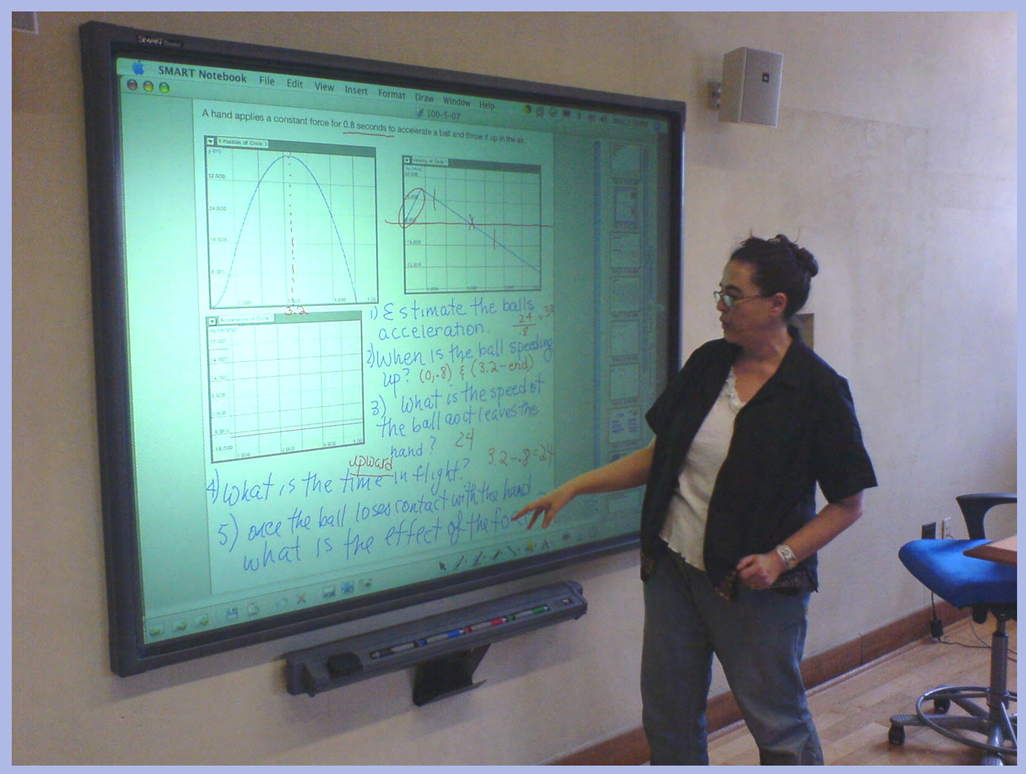
The second purpose of this goal is to enable me to go back and answer questions or clarify material that was covered earlier in the class period that would (without the technology) have been erased. Another goal was to allow me to prepare material ahead of time (like in PowerPoint or Keynote) and to be able to add to that prepared material on the fly in class to include student questions or student input. Another goal was to have chalk-free hands!

Courses using this technology:

PHYS-100: Physics in Motion
PHYS-113: Introductory Physics
PHYS-168: Tour of the Subatomic Zoo
PHYS-320: Quantum Mechanics



Students really like not having to focus on getting all the notes written down - they love the fact that the lecture material is available online after class.



Once the SMART Board was ordered and installed, it was very easy to learn how to use it. About one hour of training is all you need to be up and running. You can also install the software on your own computer, making preparation of class materials ahead of time easy. The SMART Board was funded primarily by the Classroom Committee.

The SMART Board permanently installed in Sanders Physics 211

Contact me if you are interested in trying it out!