

Physics 121 – August 26, 2009

Assignments:

This week:

- Read syllabus carefully – **course notes are posted online at www.nmt.edu/~krm**
- Read Chapter 1 of textbook
- Get iclicker, register clicker online
- Register for Mastering Physics online
- Complete Mastering Physics Intro assignment due by Sunday, Aug 30 @ 11pm.

Next week:

- Read Chapters 2 and 3 of textbook
- Homework/recitation problems due 9/4:
Chapter 2 - #45,46,53,55,56,59,63,71

Iclickers: Check out at the library (\$2 rental fee, \$30 fee if you lose it) or buy at the bookstore. Bring your clicker to every class! Participation in clicker questions contributes 5% to your overall class grade (note participation, no penalty for incorrect responses). You **must** register your iclicker at www.iclicker.com in order to get credit

Why is a clicker required for my class?

Like many instructors, yours has decided (and studies have confirmed) that incorporating this technology improves classroom interaction, discussion, and ultimately your and your fellow students' comprehension and learning.

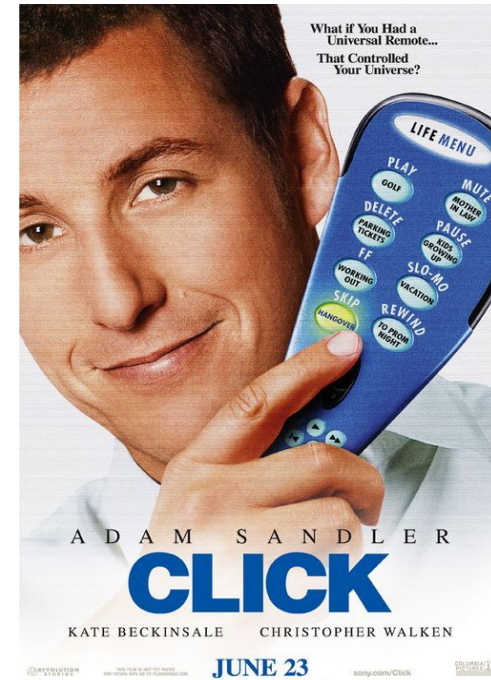
Are there other benefits?

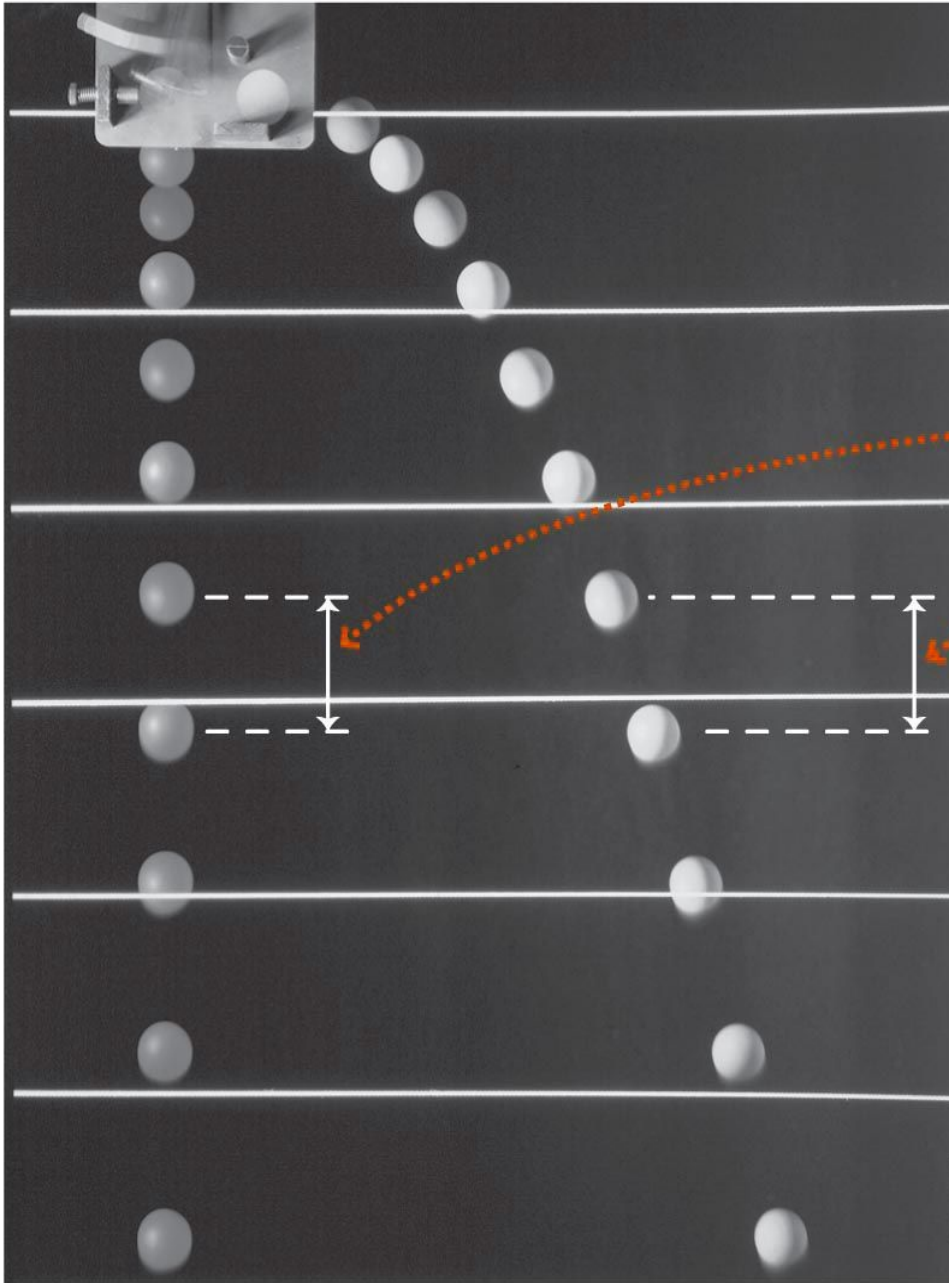
Yes. These include maintaining attention during a lecture, creating a safe environment for unsure students to participate, and transforming a passive learning environment into an active one, among many others.

Sample “clicker” question:

A bullet shot horizontally from a gun:

- A. strikes the ground much later than one dropped vertically from the same point at the same instant
- B. is brought to rest by air resistance alone
- C. strikes the ground at approximately the same time as one dropped vertically from the same point at the same instant
- D. travels in a straight line
- E. strikes the ground much sooner than one dropped from the same point at the same time.





Vertical spacing is the same, showing that vertical and horizontal motion are independent.

Mastering Physics (online homework)

Register online at www.masteringphysics.com

The course ID is MPMINSCHWANER09FALL.

If you bought the textbook new, there is a code in the book (good for one year). If you a used book, you must pay a \$45.00 registration fee online.

Advantages of MP:

You get “instant” feedback and grading.

Hints.

Graphics and applets in problems.

Disadvantages:

Can sometimes be slow (often depends on connection).

Formatting for numerical or symbolic answers.

MP Grading Properties

- Each item (problem) counts as one point.
- Items with multiple questions have equal weights.
- 2% bonus for not opening hints.
- Type-in answers:
 - 2% penalty for incorrect answers, and up to 10 tries.
- Multiple-choice answers:
 - 20% penalty for incorrect answers.
- Late work:
 - 3% penalty per hour (no credit if more than 33 hours late).

NOTE: for Intro assignment, you are allowed on unlimited number of incorrect answers with NO penalty (but you must eventually get correct answers for full credit).