

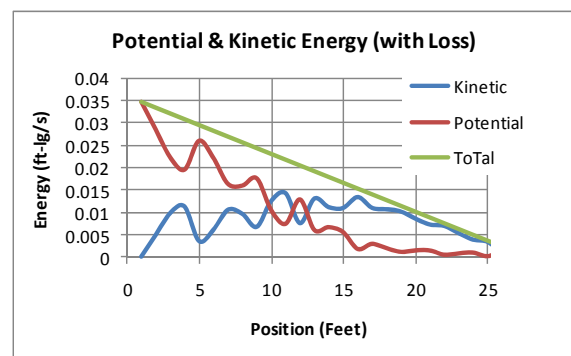
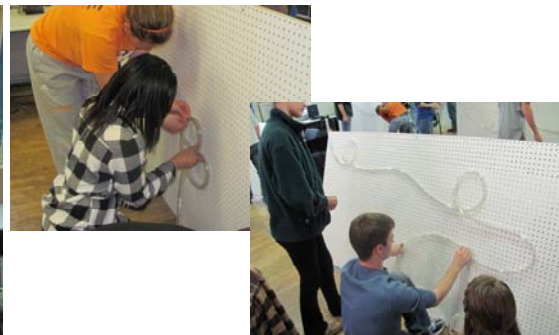


Engineering Fundamentals in the News

- Will Schleiter and Dick Bennett were recognized by UT Innovative Technology Consulting for their use of clickers in the Engineering Fundamentals program. The full story is at <http://itc.utk.edu/spotlight/> which includes a video clip of Will discussing clicker technology.
- Dick Bennett was recognized with a College of Engineering Teaching Fellow Award at the 2010 College of Engineering Faculty and Staff Awards Dinner. This award is given to recognize an exceptional record of graduate and undergraduate teaching and a strong performance in teaching-related service activities.
- The Engage program was featured in the Spring Issue of the TN Engineer Newsletter. The newsletter is at http://www.engr.utk.edu/tnenr/TE_Spring_10.pdf

The EF 151 Roller Coaster

A new project was added to EF 151 this semester to help students understand conservation of energy. Students were given 25 ft of PVC tubing, a ball bearing “roller coaster”, a 4x8 ft sheet of pegboard, and a stack of zip ties. They had to construct a “roller coaster” with the tubing that included at least two loops. Students made measurements of the height (and hence gravitational potential energy) along the track. The velocity at the end of the track was determined using projectile motion concepts. The students used these measurements to plot the total mechanical energy vs. distance along the roller coaster. They saw the changes in gravitational potential energy, kinetic energy, and losses. Students also had to fill out a feedback form evaluating how well they worked together as a team, and how their teamwork could have been improved.



Summer Wishes

We wish you a fun-filled summer. Publication of Inside Engage will resume in the Fall. Initial numbers indicate an increase in Fall enrollment.