

1056-37-1030 **Jon Jacobsen*** (jacobsen@math.hmc.edu), Math Department, Harvey Mudd College,
Claremont, CA 91711. *Experiments in the Classroom.*

Physical experiments that illustrate mathematical concepts can be remarkably effective pedagogical tools. They provide an opportunity to connect equations, numerics, and the physical world in a powerful way. In this talk we share several experiments used throughout the undergraduate curriculum at Harvey Mudd College in courses such as differential equations (ODE and PDE), dynamical systems, and numerical analysis. (Received September 20, 2009)