

# Coming this Fall:

## The Century of Revolution SPS Science Outreach Catalyst Kit (SOCK)!

The Century of Revolution SOCK celebrates 100 years of atomic physics by commemorating Ernest Rutherford's gold foil scattering experiment (1909) and his interpretation of the results (1911). The SOCK features a missing stash of gold bars, collisions between all kinds of balls, a large-scale recreation of the gold foil experiment, and a dramatic demonstration of a chain reaction using mousetraps and ping pong balls.

The SOCK program is an effort by the SPS National Office to equip chapters to reach out to their community with sci-

ence activities. Each year SPS interns create a new kit for chapters starting or expanding outreach programs. The kits include a manual detailing three main hands-on activities and all of the materials needed to take the activities into a classroom or other venue.

A limited number of Century of Revolution SOCKs will be available this fall—watch your email for details!

[www.spsnational.org/programs/socks/](http://www.spsnational.org/programs/socks/)



Photo courtesy of Erin Grace.

*SPS interns Amanda Palchak and Erin Grace designed the 2011 SOCK.*



Photo by Kendra Redmond

*3rd grade students test one of collision activities in the 2011 SOCK.*