

Workshop 1 2:00- 3:00 PM Room 272 F

All workshops require preregistration and cost \$10. Please email Don Donovan (ddonovan@thayer.org) to reserve a spot. You may pay when attending with either cash or a check made out to NES_AAPT. If space permits, on site registration would be available, too.

An Energy-Based Introductory Physics Curriculum

Aaron Osowiecki and Jesse Southwick; Boston Latin School

The traditional sequence of introductory physics introduces energy after a full description of motion (kinematics) and forces (dynamics). Though motion and forces are important, energy has become a major societal issue. The physics teachers at Boston Latin have developed an innovative physics course which puts energy right at the beginning of the year. As a scalar quantity and a familiar idea, energy is easily accessible to students and serves as a unifying theme for the whole course. At this session we will discuss the rationale for our course and review the major components. Participants will also learn about the opportunity to pilot the course and become involved in making the course accessible to all students.