Introducing Change in Undergraduate Education (Easy Steps for Junior Faculty) ERIC HUDSON, MIT — Bringing change to the undergraduate curriculum – for example, as new faculty might consider proposing for the education component of their NSF Career proposals – can be a daunting task. At many institutions classes have been “taught this way forever” and even the mention of changing them can induce complaints from students and faculty alike. In this talk I will describe TEAL (technology enabled active learning), a major reform to the introductory physics sequence for non-majors at MIT. I will then focus on a few aspects of the course, such as the use of in-class feedback and real world problems. These relatively small changes (in terms of expense and effort) have been very beneficial, and point to a variety of improvements which faculty (including junior faculty) could make to well established courses while avoiding the difficulties often associated with change.

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Date submitted: 12 Dec 2007