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**Jonathan Bloom\*** (jbloom@mit.edu) and **Jeremy Orloff** (jorloff@mit.edu). *MIT's new introductory course: using physical space and technology to flip the classroom.* Preliminary report.

Over the last three years at MIT we have completely redeveloped the syllabus and pedagogy of our introductory probability and statistics class. This talk will focus on the pedagogy, emphasizing what we found most challenging, surprising, and useful as we transitioned from a traditional lecture course to a fully flipped class supported by online technology (MITx).

Among the lessons we learned are the importance of a well-designed physical space for active learning, the high value that students place on close interaction with their teachers and classmates, and ways to use automated online feedback to promote timely student reflection on written homework assignments. These lessons have important implications for universities as they consider moving courses online. (Received September 16, 2014)