Linear algebra is often one of the first college-level mathematics courses in which students are expected to understand and work with a beautiful, yet complicated, web of deep mathematical concepts. In one semester students are expected to understand and become comfortable using algorithms needed for future courses, connecting a variety of mathematical concepts, and learning how to read and write proofs in the context of linear algebra statements. We will describe how we use a collection of preview and in-class activities throughout the semester to help improve student success in linear algebra. In each preview activity, students are exposed to the day’s material through concrete examples of newly defined concepts or algorithms, or through questions asking them to reflect on previous concepts. In-class activities build on students' work in the preview activity to develop the topic more formally and precisely. Students work in small groups to practice algorithms and develop and strengthen their conceptual understanding during in-class activities. We will share examples of the activities during the talk. We will also report student feedback on activities through anonymous evaluations and weekly activity reviews, and our evaluation of the course when these activities were used. (Received September 18, 2015)