Students are exposed to so many technological devices that they should be quite proficient technologically, but is this the case? The study of learner responses to technology has produced shifting constructs which, by nature, require periodic reexamination, given technological advances. To address this situation, the researchers surveyed over 300 university EFL learners. First, learners were queried about their technology competence and about their willingness to use technology. Second, students were asked to what extent they experienced anxiety while using technology. Next, learners’ perceptions of the usefulness of technology in education were examined. Finally, motivation and specifically how students intended to use technology in the future was investigated. The researchers will present initial results which elaborate student perceptions of technology, distinguish between computing technology and mobile technology, and reveal where students are obtaining knowledge about technology.