Sarah L. Marsh* (sarah.marsh@okbu.edu). “When will I ever use this?” Incorporating Student Research into an Introductory Linear Algebra Course. Preliminary report.

The variety of students’ majors in an introductory Linear Algebra course can make presenting a sufficiently diverse, yet engaging and relevant, array of course content applications a formidable task for instructors. In this talk, I will discuss an introductory Linear Algebra student research project that aims to develop mathematical research and presentation skills as well as an appreciation for the relevance of Linear Algebra content in students’ personal and/or professional lives. I will share a description of and motivation for the project, as well as some student feedback on the experience of researching and presenting mathematical applications. (Received September 16, 2019)