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Interdisciplinary Applications for the Linear Algebra Classroom. Preliminary report.

Often when we are teaching linear algebra, we have so much information to cover that we don't get to delve into very many cool applications or activities. In this talk, I will share several activities that I have developed for a linear algebra classroom that connect the material to other STEM fields. The activities are packaged through a process-oriented guided-inquiry approach. These activities could be assigned to students as homework or group work outside of class. All activities will be shared with those in the audience. (Received September 25, 2018)