

2019ScheiberElizabeth-abstract

## Abstract

Student interest and motivation are vital components of academic success. In secondary mathematics classes, teachers should be doing everything they can to make the content engaging, exciting, and relevant to the students. Studies show that when these needs are met, students perform better and retain information longer. Project-based learning is an excellent way to engage students with the content, which is why I chose to create an example project that shows mathematics teachers how to make a lesson on linear functions appeal to their students' interests. Students practice real-life skills when completing a project, which helps them understand the importance of mastering the content.

Honors College  
Ball State University  
Muncie, IN 47306