

1145-G5-1152 **Jessica Oehrlein*** (jessica.oehrlein@columbia.edu). *Introducing Mathematical Modeling to High School Students through Population Dynamics.*

In 2018 I taught several instances of a one-hour population modeling class for advanced high school students. The main goal of the course was to introduce students to modeling processes and techniques in a life science context. In the class, students worked in groups to develop and interpret discrete and continuous models of population growth, predator-prey interactions, and competition. The course also included brief discussions of other modeling approaches and challenges. I will give a survey of the class and discuss what went well, what didn't, and what I plan to change in future iterations. (Received September 19, 2018)