

1145-L1-1801 **Axel Brandt*** (brandta2@nku.edu). *An OER Cycle in a Calculus Course.*

We discuss the structure of a Calculus 1 course in which students cycle through a variety of OER technological tools for each section of course material. The OER cycle begins with reading an open-source textbook on a collaborative reading platform (Perusall) prior to class. Then students process course material in part through an in-class voting/clicker system (Plickers) using questions from a repository of questions (Cornell Good Questions). Students complete homework online (Edfinity/WeBWorK) before restarting the cycle by reading the next section of the textbook. Although the emphasis of this talk is on the implementation and utilization of OER technologies, we will also discuss their impact on student learning. (Received September 24, 2018)