

1145-L1-1157      **Matt Boelkins\*** (boelkinm@gvsu.edu). *Active Preparation for Calculus: a new free and open text*. Preliminary report.

This talk is a preliminary report on a new text that is expected to be publicly released in January 2019. *Active Preparation for Calculus* is a free and open source textbook written in Rob Beezer's PreTeXt (<https://mathbook.pugetsound.edu/>): as such, it will be freely available in HTML format with interactive Desmos graphics and anonymous WeBWorK exercises. The text is designed to engage the reader and instructor with active learning pedagogy in the spirit of the text *Active Calculus*; the text is organized as a preparatory course for students not yet ready for calculus, focusing on functions and models, average rate of change, and other concepts that are heavily used in calculus. In my presentation I'll share features of the text, information about free and open ancillary supporting materials, and perspective on both using and writing the text. (Received September 19, 2018)