

1135-D5-623

Mitchel T. Keller* (kellermt@wlu.edu), Department of Mathematics, 204 W Washington St, Lexington, VA 24450, and **Oscar Levin** and **Kent E. Morrison**. *Open Educational Resources and Inquiry-Based Learning: Bogart's Combinatorics through Guided Discovery Gets New Life*.

Prior to his death, Ken Bogart was developing an IBL text (*Combinatorics through Guided Discovery*) to be used in an upper-division combinatorics course. Since he passed before the book could be published, his family released it under an open source license. Unfortunately, his \LaTeX and PDF differed in a number of places, which limited the usability for those who wanted to make corrections or adaptations. Despite this, the book has been used and appears on the AIM list of endorsed open math books.

This year, we converted Bogart's \LaTeX code to PreTeXt, which allows simple conversion to (very nice) HTML and \LaTeX . We updated the source to match Bogart's PDF and prepared a print version. The PreTeXt source is on GitHub. PreTeXt HTML books offer features not possible in print that will appeal to IBL practitioners, and we plan to use those more heavily in future releases with community support.

This talk will briefly discuss some open source licenses (and why one should use them). We will also demonstrate some features of the HTML version of *CtGD*. The talk will be of interest to those who seek to share their IBL materials, use materials developed by others, easily develop interactive HTML-based IBL materials, or collaboratively develop materials. (Received September 11, 2017)