

Electronic Seminar on Mathematics Education

Documents for teaching a lesson: Lecture notes and their production



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In this interactive presentation I will present a preliminary analysis of various artifacts associated with 'lecture notes' submitted by participants in a large-scale study of three textbooks written in PreTeXt, Active Calculus by Matt Boelkins, A First Course in Linear

Algebra by Robert Beezer, and Abstract Algebra Theory and Applications by Tom Judson. In the analysis we attend to the constitution of the lecture notes and their structure, paying attention to how textbooks mediate this work. While there are variations, there are many similarities across the participants, revealing that producing lecture notes is in itself a professional development activity through which the instructors acquire new knowledge, skills, and practices, even when those are not consciously recognized.

Noon ET, March 16, 2021

Zoom link: <https://cornell.zoom.us/j/92078267146>, passcode esme

For more information on ESME: <http://math.mit.edu/seminars/esme/>

