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Sarah S Hagen*, Department of Mathematics, Kidder Hall 368, Oregon State University, Corvallis, OR 97331. *A Transition-to-Graduate-School Boot Camp Using Active Learning and Primary Historical Sources: Revelations and Transformations.*

Active learning and primary historical sources formed the backbone of a week-long boot camp for incoming graduate students offered at Oregon State University. Readings from the NSF-funded TRIUMPHS projects (TRansforming Instruction in Undergraduate Mathematics via Primary Historical Sources) were assigned for most of the days and provided the structure for the morning sessions. Afternoon sessions were dedicated to solving problems in groups with students writing solutions on the board and “teaching” each other the material and techniques. The use of primary sources had benefits that ranged far beyond simple enrichment. The exclusive use of inquiry-based learning throughout the boot camp was transformative for this advanced graduate student instructor and led to a great many insights into the benefits of active learning over traditional lecturing. In this talk I will discuss these insights, as well as what worked and what didn’t when it came to the use of primary sources and active learning in this unique setting. (Received September 25, 2018)