

1086-M5-1395 **Erin E. Bancroft*** (eebancroft@gcc.edu). *The Future of Voting: Engaging students through designing voting systems.*

Voting theory is often a component of liberal arts mathematics courses due to its accessibility and its relevance to the lives of students. It also provides an ideal context for student participation in an important mathematical process: expanding upon existing results to develop new ideas. In this talk, I will discuss a project which engages students in this process by having them create, test, and evaluate their own voting system, using standard voting methods as a starting point. (Received September 21, 2012)