

1171-97-175 **Mike Weimerskirch*** (weim0024@umn.edu), 206 Church St. SE, 206 Church St. SE,
Minneapolis, MN 55455. *Flipping the Formula in Active Learning Classrooms.*

The University of Minnesota teaches PreCalculus courses in an active learning format, focusing on two main areas: computational literacy and communication skills. Students learn computation through video content and an automated homework system. The focus of in-person instruction is on problem-solving group activities that develop communication skills. The goal is to get students to view mathematics not as an arbitrary system of rules that lead to answers, but rather as a toolbox to make sense of interesting problems. Method of evaluating students' ability to communicate will be discussed. (Received August 10, 2021)