

1116-F5-2132 **Rebekah B. Johnson Yates*** (rebekah.yates@houghton.edu), 1 Willard Ave, Houghton, NY
14744. *On Beyond Calculus.*

Each February, 80 or so high school students descend on our small campus in western New York to take the American Math Contest and participate in several sessions designed to inspire them in math or science. Our department's goal is always to show them that there is more to math than the march to calculus. We have offered sessions on a variety of topics from voting to game theory to spherical geometry. In this talk, I will share some of the materials I've used to introduce high school students to infinity and to graph theory. (Received September 21, 2015)