

1154-VG-2282 **Patrick X Rault*** (prault@unomaha.edu), 6001 Dodge Street, Mathematics Department, Omaha, NE 68182, and **Janice Rech** (jrech@unomaha.edu), 6001 Dodge Street, Mathematics Department, Omaha, NE 68182. *A tale of two circles: math with urban middle school teachers and rural secondary school teachers.* Preliminary report.

We will compare and contrast two math teacher circles. The first circle serves the Omaha, Nebraska metropolitan area. As a partnership with the Omaha STEM Ecosystem and the Henry Doorly Zoo, topics in this circle are usually in the form of “Math with a Musician,” “Cooking with Math,” or “Math and Gerrymandering.” Though the target constituency is middle school mathematics teachers, these topics draw music teachers, culinary arts instructors, and in general other teachers from fields related to the topic of the day. The second circle is international, serving the borderlands region of Southern Arizona with some participants coming across the border from Sonora Mexico. This circle brings together Secondary School mathematics teachers from a wide region, connecting them with mathematics professors who introduce them to alternative pedagogies and new mathematical theories. We will discuss the idiosyncrasies of both types of Math Teacher Circle, and share ideas for topics that may be of use in your math teacher circle. (Received September 17, 2019)