The Midwestern State University Math Club has become a program that allows students to engage with mathematics not usually seen in their undergraduate curriculum. Instead of following a prescribed list of examples and problems, meetings now mimic the structure of a math circle. As a result of this transformation, students have grown in mathematical creativity and independence, and several students have joined our department. We will discuss how we have used math circle topics in this setting and the ways that transitioning to a math circle model has helped us achieve our goals for the MSU math club. (Received September 13, 2019)