Philip DeOrsey* (pdeorsey@westfield.ma.edu) and Christine von Renesse (cvonrenesse@westfield.ma.edu). Encouraging Student Buy-In through Islamic Geometry with Technology.

Despite not being well defined, student buy-in is often noted as a common barrier by facilitators of inquiry-based learning. We connect this informal notion to the study of student resistance and explain our techniques for breaking down this barrier. Specifically we connect these strategies to an Islamic geometry activity. In our experience this activity creates little student resistance making it an ideal choice for an introduction to inquiry-based learning practices. In this talk we hope to provide resources to both new and experienced facilitators of an inquiry-based classroom to help reduce their student resistance. (Received September 16, 2019)