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Determining the radius of a figure skate blade: A Model-Eliciting Activity.

We present a Model-Eliciting Activity (MEA) used in a course that was cross-listed for undergraduate mathematics content course for middle school pre-service teachers and in-service secondary teachers. Students were given physical sets of figure skate blades and were asked to determine the radius of the circle that was used to construct the blade. The student's various geometric and algebraic solutions used will be shown. We will also identify the Universal Design for Learning instructional principles incorporated within the activity and the Common Core State Standards for Mathematical Practice that participants used in the activity. (Received September 23, 2018)