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Seat at the Table: Equity and Social Justice in Mathematics Education.

As mathematics educators, we pride ourselves in our ability to communicate the beauty of mathematics to our students. To watch a student's face light up over a clever proof or robust statistical model still gives me goosebumps. And it's often the students who are bright eyed and eager, that I invite to the metaphorical mathematical table: sending them REU announcements, financial analyst summer opportunities or graduate school suggestions. Over time, I realized that I wasn't allowing my students to engage in mathematics in ways that were meaningful to them. Although well intentioned, my classrooms were far from "mathematically inclusive". In recent years, I've learned to build upon my students' identity and lived experiences by incorporating rigorous, relevant mathematical experiences into the classroom environment. These experiences not only provide deep mathematical learning, but also give students the mathematical knowledge to advocate for justice in our communities. By creating inclusive classrooms and promoting classroom experiences that are equitable, we can change the culture of mathematics. In this talk, I'll share the tangible ways in which we can invite our students to have a seat at the mathematical table and in doing so, work to broaden participation in mathematics. (Received September 17, 2018)