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Mathematical modeling and inclusivity: tales from teacher collaborators and their classrooms.

Mathematical Modeling as a practice can have many elements that can support inclusivity: modelers can make genuine decisions as they pose and refine meaningful problems in a real world context, choose mathematical tools to apply to that problem and then communicate their solution to a client in a real world context. I will discuss two NSF-funded projects that explore how mathematical modeling can be enacted by students and teachers. I will focus on what mathematical modeling can afford as a practice while considering ways that potentially inclusive practices can go awry. (Received October 13, 2017)