



The Common Core State Standards for Mathematical Practice #4 states that students should learn to “model with mathematics”. In this module, participants will have the opportunity to engage with an instructional scenario drawn from the secondary algebra curriculum. Specifically, participants will observe, annotate, and read other participants’ annotations of a scenario in which students are working on a moving car problem where they are asked to determine when two cars moving in opposite directions meet. In the scenario, students disagree on the answer and reconcile their different modes of reasoning by "identifying important quantities in a practical situation and map their relationships using such tools as diagrams." After considering various ways the teacher could support SMP #4, participants will have the opportunity to try implementing the SMP with their own students and receive feedback from an online facilitator.

