All students must write to learn! Literacy is at the heart of understanding mathematics. In fact, it is the Guiding Principle #3 in the 2017 Massachusetts Frameworks for Mathematics: Students should have frequent opportunities to discuss and write about various approaches to solving problems, in order to help them develop and demonstrate their mathematical knowledge, while drawing connections between alternative strategies and evaluating their comparative strengths and weaknesses. Authentic literacy practice in the mathematics classroom enhances deep learning of mathematics. Literacy Standards provide a useful framework for developing an authentic literacy practice. In this workshop we will draw upon these literacy standards to develop lessons, activities, and assignments that weave literacy into mathematics to support deeper learning.

In the morning, we will breathe new life into the dreaded vocabulary lessons. In the afternoon, we will focus on writing. Facilitators are a literacy and a mathematics consultant who work together to support high school mathematics teachers.

Dr. Polina Sabinin is Associate Professor of Mathematics at Bridgewater State. She works with K–12 in-service and pre-service teachers in Massachusetts and overseas. Her research and outreach focus on teaching K–12 math through games.

Rebecca Steinitz is a literacy consultant who has worked at schools, universities, foundations, and non-profits. She has directed a research program, a writing program, and a teacher education program. She has taught writing, literature, humanities, women's studies, education, and English as a Second Language.