LTFL was designed to enable teachers to deepen their understanding of ways to conceptualize and represent linear functions within their teaching practice. The major goals of these materials are to help teachers deepen their understanding of mathematics content, students’ mathematical thinking, and instructional strategies; as well as develop norms and practices for learning about teaching. We are in the initial stages of data analysis, including teacher and student data. Preliminary results of the impacts of the LTFL intervention on treatment teachers’ mathematical knowledge for teaching appear promising.