

Media Brief for
USF, Prep and Me, and Pearson Collaboration
February 14, 2023

The secondary mathematics education program and the Coalition of Science Literacy collaborated with the Prep and Me Program in Spring 2023 to create an opportunity for high-achieving secondary students to engage in mathematics enrichment activities that promotes computational and mathematical thinking. This initiative created opportunities for our secondary students to engage in higher-level cognitively demanding tasks. It also provided preservice teachers opportunities to reflect on best practices for teaching mathematics in a virtual setting while maintaining mathematical rigor.



Through this endeavor, our USF preservice teachers gained critical expertise in online teaching and expanded their technological pedagogical content knowledge. The mathematics objectives for the six-week enrichment activities focus on solving and graphing equations, functions, and inequalities; describing the effect of transformation on functions; and proving geometrical theorems and relationships.

To kick off the six-week collaboration, parents, secondary students, preservice teachers, faculty, and Prep and Me representatives participated in an initial meeting (on February 4, 2023) in which they reviewed the goals of the collaboration and engaged in solving mathematical tasks that were situated in the real world.



To monitor students' knowledge growth over time, Pearson created assessments to measure learning gains related to Algebra 1, Geometry, Algebra 2, and Calculus objectives.