

1125-VO-2870 **A. R. Wilzman*** (awilzman@gmail.com), **Brent Lunsford**, **Jeff Pullen** and **Chamaree de Silva**. *Outreach Through Fabrication of College-Level Lab Activities for High-school Students*. Preliminary report.

Funded by the Research that Reaches Out Initiative at Mercer University, we continue to conduct an outreach project to aid a local high school by constructing mathematics and physics labs for students. During the summer of 2016, we designed mathematical activities aimed at helping students understand fundamental topics covered in algebra, trigonometry, and statistics. We also constructed several low-cost physics labs – one of which focused on the calculus associated with projectile motion. We plan to spend time in the classroom with the students as we help the instructors implement the activities and labs. (Received September 20, 2016)