

1154-97-1145 **Emily Cilli-Turner*** (ecilli-turner@laverne.edu), **Robin Wilson** (robinwilson@cpp.edu)
and **Gail Tang** (gtang@laverne.edu). *Lessons from A Multi-Tiered Approach to Mathematics
Enrichment.*

In this talk, we will report on lessons learned during one and a half years of an after-school mathematics enrichment program for middle and high school students. Our program is run at a community program called Pomona Hope, which is a free after-school program for students in Pomona, CA and has a high number of low-income and underrepresented students. We aim to provide exposure to mathematics outside of the normal curriculum for these students and have successfully taught material in cryptography and mathematical modeling. The program is run using a multi-tiered approach to teaching and learning; we, university faculty, bring together college students from our respective institutions, and high school students from Pomona Hope, to work on mathematics and teaching methods, and co-facilitate a mathematics lesson for middle school students. This model, borrowed from the Young People's ProjectTM (YPP) to teach mathematics to youth outside of school time, has been a good way to not only teach mathematics, but also to develop leadership and teaching skills for the college and high school students. (Received September 13, 2019)