

1125-97-3111

Oswaldo Daniel Soto* (osoto@sandi.net), 9500 Gilman Drive, Mail Code 0036, La Jolla, CA 92093-0036. *Partnering for Success: Developing a high school discrete mathematics curriculum connecting a university course with a local high school course using the standards for mathematical practice*. Preliminary report.

College readiness in mathematics and the subsequent need for remediation have become a concern nation-wide. With few choices available, most college bound students are asked to take pre-calculus, calculus or statistics their senior year in high school. However, discrete mathematics, offers a wide variety of contemporary contexts useful for college preparation if we think about them from the perspective of the standards for mathematical practice. In this session, I present early results of a project bringing pedagogically sensitive mathematicians and math educators together with local high school teachers to redesign the curriculum of a high school course whose goals are stated in terms of BOTH content and standards for mathematical practice with an eye on a sophomore level undergraduate discrete mathematics. (Received September 21, 2016)