

1135-VE-3057 **James S Rolf** (jim.rolf@yale.edu) and **John Hall*** (john.hall@yale.edu). *Using Undergraduate Coach/Mentors in an Online Bridge Program for QR and STEM Preparation.* Preliminary report.

Online Experiences for Yale Scholars (ONEXYS) is an online bridge program for incoming students who are bright, but could benefit from additional preparation for QR and STEM courses during the summer before their first year. This past summer we had 210 participants with 59% women, 50% from an underrepresented group, and 33% first generation students. In order to most effectively help students prepare for QR and STEM experiences at Yale, we hired 45 undergraduate coach/mentors whom we thought could best 1) facilitate collaborative learning in this online environment, 2) support the transition from high school to college and 3) serve as a mentor beyond the summer experience. Our coaches have a significant impact on both student learning and the motivation to learn. We discuss the hiring, training and support of our coach/mentors as well as data about student learning over the summer, feelings of preparedness, and the downstream impact of ONEXYS. (Received September 26, 2017)