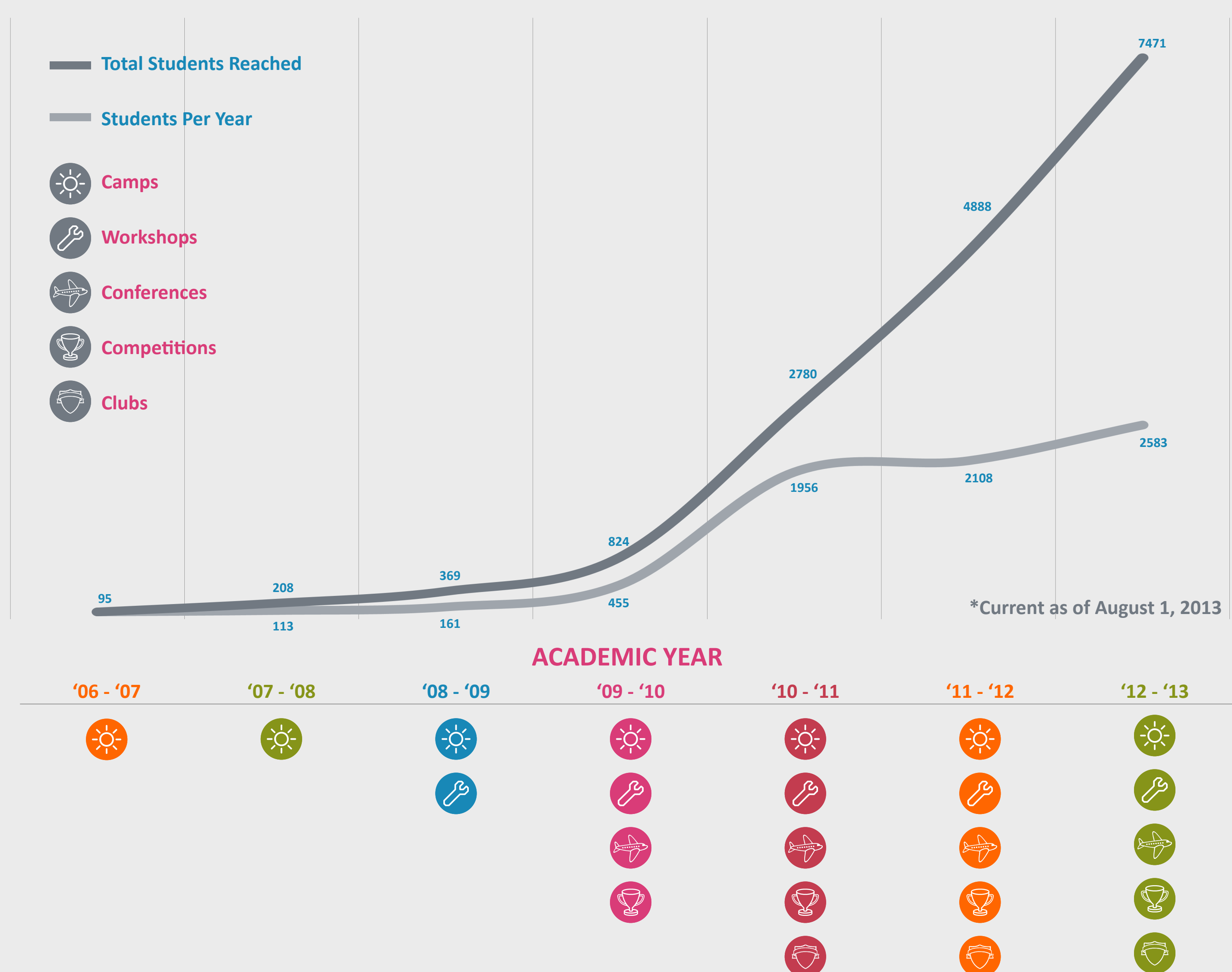


The Young Women in Computing Pipeline

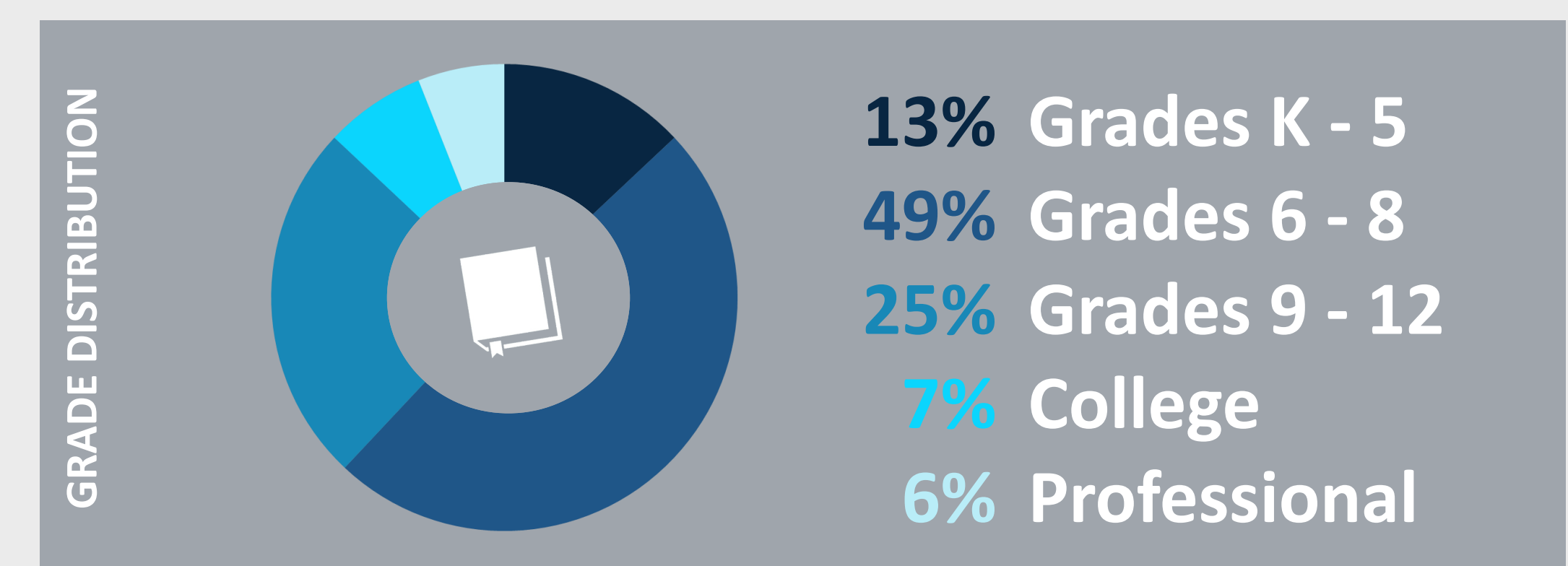
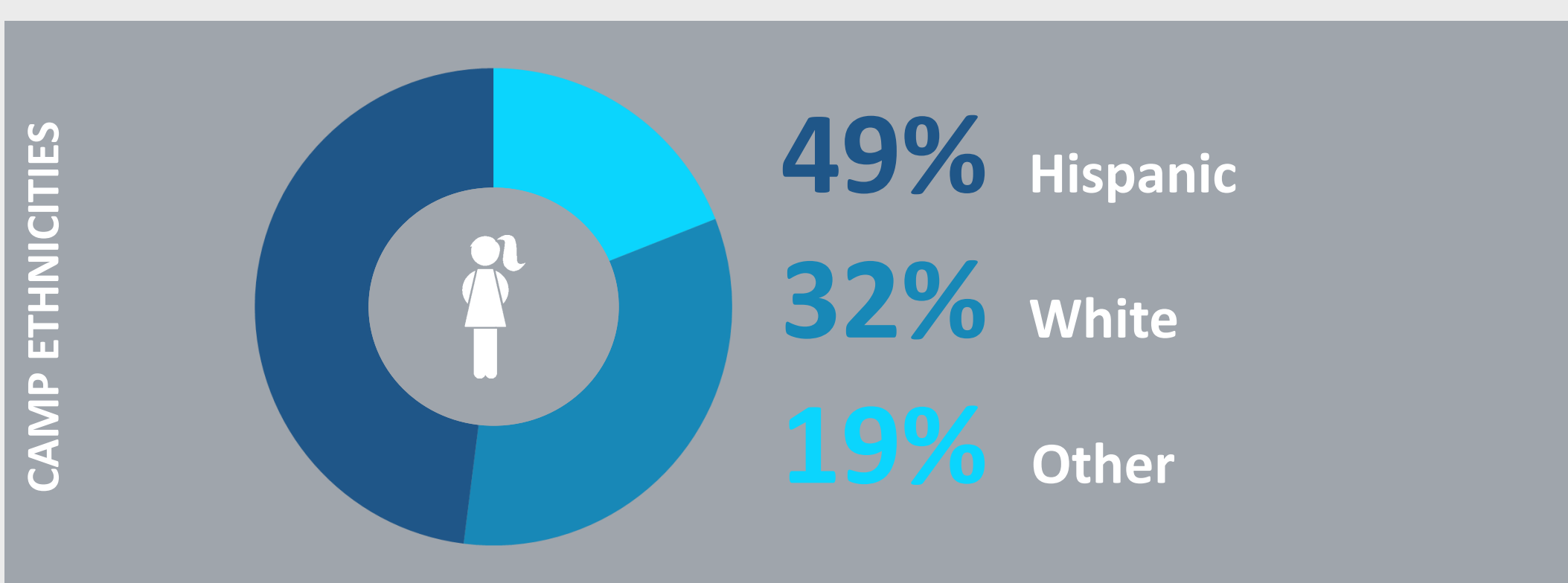
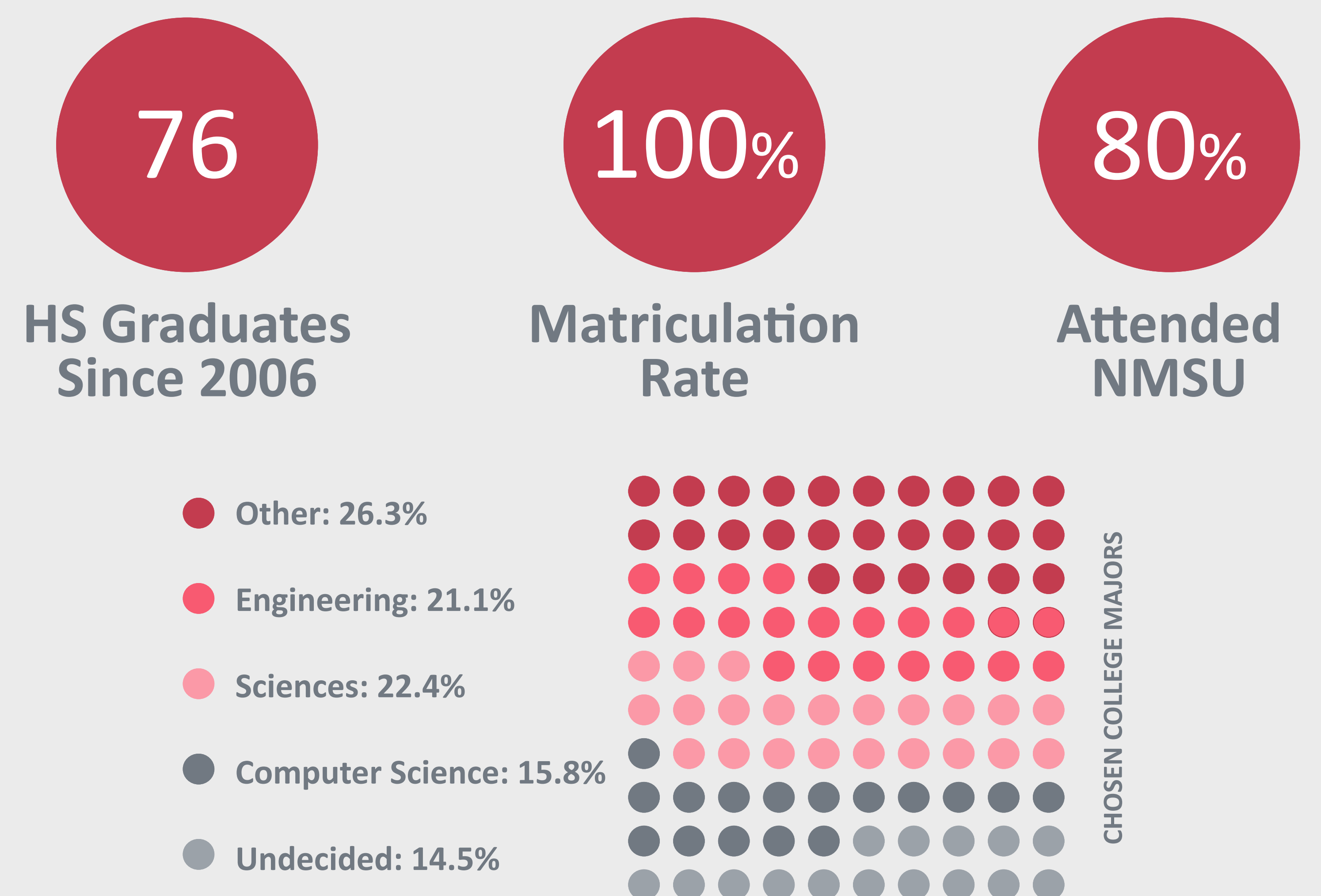
Successful Methods for Breaking Into Computer Science



Program Growth



College Impact



7,400+ Students Reached

About Us

The Young Women in Computing (YWIC) program began in 2006 under the National Science Foundation's Broadening Participation in Computing grant. YWIC focuses on sparking middle school and high school women's interest in technology fields. Building upon an initial five-week summer camp for high school females, the program has developed into a multi-faceted computer science community outreach program with strong foundations in local school districts throughout Southern New Mexico and New Mexico State University. Over the past seven years, YWIC has established a successful and sustainable outreach program, and developed a pipeline of women into C-STEM majors in college.

Problem & Motivation

According to the Department of Labor and Statistics women currently hold 57% of professional occupations in the United States workforce; yet only 27% of these positions are within Information Technology. Additionally, "only 0.3% of girls arrive at college with the intention to major in Computer Science" (Coger, 2012). The disproportionate "underrepresentation of women in IT has negative implications, including a one-sided perspective in the development of new technologies (NCWIT, 2011). To address and remedy this problem, YWIC has spent the last seven years establishing a successful and sustainable outreach program in Southern New Mexico, and has succeeded in developing a pipeline of women into C-STEM majors in college.

Future Work

In the future, YWIC will amplify outreach efforts to partner with other similar girl-serving programs throughout New Mexico as the convening organization for the NM Chapter of the National Girls Collaborative Project. The integration of YWIC with other strong state-wide programs will further computing and C-STEM outreach initiatives for a sustainable future. YWIC is an information and outreach portal, and will continue to connect organizations, individuals, universities, and industries both public and private, to further engage the students of New Mexico.

References:
Coger, R. (2012). "Why stem fields still don't draw more women". The Chronicle. Retrieved from <http://chronicle.com/article/Massive-Excitement-About-135302/>
"Women and Information Technology: By the numbers." (2011). NCWIT. Retrieved from <http://www.ncwit.org/sites/default/files/legacy/pdf/BytheNumbers09.pdf>

