Teaching crystallography at a Primarily Undergraduate Institution (PUI) presents many challenges. PUI's seldom have the instrumentation or lab space necessary to offer a comprehensive crystallographic education that includes course work and experiments. To address this we have developed a program that not only educates students about the basics of crystallography but offers hands-on crystallographic activities from crystal growth experiments, data collection, refinement, to publication of results. The strategies discussed here can be incorporated into undergraduate curriculums at both PUI's and major research universities.

Keywords: Teaching, Education, Undergraduate