

AN UNCOMMON BUT NATURAL ALLIANCE BETWEEN CHEMISTRY CLASS AND SHOP CLASS AT HIGH SCHOOLS AND COMMUNITY COLLEGES. Scott M. Ames, George Stone Technical Center, Pensacola, FL 32526; Kenneth A. Goldsby, Department of Chemistry and Biochemistry, Florida State University, Tallahassee, FL 32309-4390

Perhaps the greatest underutilized resource by science teachers at any high school or community college is the industrial arts shop. Most college and university science departments have shops to support their research programs and laboratory courses, and these shops are often asked to build equipment for carrying out classroom demonstrations, but high school chemistry teachers and community college instructors rarely take advantage of the shop facilities at their own schools. We will describe the interactions between an industrial arts instructor and high school chemistry teachers, illustrated by several examples of apparatus built to carry out demonstrations in their courses. In addition to providing an affordable route to equipment that enhances the teaching of chemistry in high schools and community colleges, the collaborative relationship between science and industrial arts instructors provides opportunities for interdisciplinary instruction that benefits the students in both programs.