



ANTIOCH COLLEGE



USEPA P3 Design Competition
2015-2016 Phase I

Testing a xylem-based filter system for emergency water supplies

Increasing water insecurity in the US has led to the demand for low-tech, do-it-yourself (“DIY”) emergency water systems. Our team will test, evaluate and optimize a design for a xylem-based water filter system. Species of wood and variations in filter design will be tested to optimize flow and water safety. Comparisons of the xylem filter will be made to current DIY filter systems, leading to recommendations for use. Our goal is an affordable, simple, effective system based on readily available materials.

Kim Landsbergen, Jessica D’Ambrosio
Faculty Advisors, Antioch P3 Project
klandsbergen@antiochcollege.org

Rian Lawrence, Student team leader
rlawrence@antiochcollege.org

