

CHEM-E CAR: LEMON AID



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The Cooper Union Chem-E Car team developed a car that runs on a chemical reaction with the goal of traveling a certain distance determined during competition. A reaction between commonplace chemicals citric acid and magnesium carbonate produces carbon dioxide gas. Evolved gas is filtered and powers a four-piston pneumatic Lego engine which propels the car forward. The distance traveled by the car is controlled by the amount of reactants put into the reaction tank.

At the AIChE Mid-Atlantic Regional Competition, the team car placed second by stopping within 0.8m of the desired distance. Following the success at the regional competition, an updated version of the car will be competing at the 2017 AIChE Annual Student Conference.

WORK SPACE **SHOWCASE**

THE COOPER UNION ANNUAL STUDENT EXHIBITION
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