

CALIFORNIA SCIENCE & ENGINEERING FAIR 2018 PROJECT SUMMARY

Name(s) Aubree Larson; Melody Pledger	Project Number
	38799
Project Title	
Invisible Fire Extinguisher	
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Objectives/Goals There are many ways to put a fire out, but how does Co2 put out a fire? This is minds. We decided to choose this topic because we are curious about how firer options available for putting them out. We will create our own fire extinguished using vinegar and baking soda to see if it will put out votive candled Methods/Materials Measuring utensils, Vinegar, Baking soda, votive candled and a fighter. Results It took several trials, but we eventually were successful extinguishing all thur we failed because we covered the glass with cardboard and not on hand whice escape. Our second trial we failed again due to not making enough carbon diox were successful. Conclusions/Discussion We were able to prove that carbon dioxide puts out fire, howevery certain amon needed to put the candles out. In addition a certain amount of stell was needed gas going onto the candles.	votive candles. The first trial the allowed to much gas to kide. The remaining trials
Summary Statement We successfully created a fire extinguisher that created enough Co2 to put out	four votive candles.
Help Received We setup and performed this experiment by ourselves after reading Science M Marjorie Frank and consulted with our science teacher Mrs. Steward.	ini-Investigations by