



**CALIFORNIA SCIENCE & ENGINEERING FAIR
2018 PROJECT SUMMARY**

Name(s) Cole Fowler; Carson Galletti	Project Number J1203
Project Title Up In Flames	
Abstract Objectives/Goals The objective of this study is to determine what tree's and bushes are the safest to plant near your home in case of a wildfire. Methods/Materials We tested ten different plant cuttings, one metal cookie sheet, one torch, one bucket of water, fire safe glove and a stopwatch. Results The thicker waxier leaves took longer to ignite the evergreens such as pines and redwoods ignite much quicker. Conclusions/Discussion Our results were proven to be correct during each trial the cuttings ignited within a few seconds of each other and the thicker waxier leaves took longer to ignite. We feel to make our experiment more accurate we could test our hypothesis in Summer months to see if the hot dry weather makes a big difference in our results.	
Summary Statement Our project results have proven that there are many types of flammable bushes and trees in people landscaping. This knowledge should help people choose the correct type of plant or bush for their property.	
Help Received Ukiah Valley Fire Caption John Corippo, Cal Fire Air Tactical Supervisor Chief Ray Taglio, Whispering Winds Nursery Ukiah Ca. and www.readyforwildfire.org	