



**CALIFORNIA STATE SCIENCE FAIR  
2015 PROJECT SUMMARY**

<b>Name(s)</b> <b>Tayla Rae Beauchesne</b>	<b>Project Number</b> <b>J0302</b>
<b>Project Title</b> <b>Cool Tool</b>	
<b>Abstract</b> <b>Objectives/Goals</b> My project is a solar powered fridge that works from Avaporation and Condinsation to keep materials cool in places that dont have access to electricity. <b>Methods/Materials</b> I took a insulated contanir and drilled 1 1/2" holes all around it and lined inside with mesh screeing, then I inserted a aluminum contanier on the inside and added certain materials between outter contanier and inner container, then added water and threw the holes water would evaporate and cool the inside of the aluminum contanier. <b>Results</b> This Cooling process did work with certain materials but not with all of materials also the Tempature on certain days made a big differience on how well the cooling process worked. <b>Conclusions/Discussion</b> My fridge worked , I think that I needed alot hotter and dryer conditions so the evaporation process would happen more rapidly witch would create more condinsation witch would cause the inner aluminum container to get alot cooler and would act more like a fridge.	
<b>Summary Statement</b> Keeping important items cooled in places that dont have access to electricity.	
<b>Help Received</b> My Fater helped me build fridge.	