



**CALIFORNIA STATE SCIENCE FAIR  
2003 PROJECT SUMMARY**

<b>Name(s)</b> <b>Hallie Boldt</b>	<b>Project Number</b> <b>J1604</b>
<b>Project Title</b> <b>Fooling Mother Nature</b>	
<b>Abstract</b> <b>Objectives/Goals</b> My objective is to utilize cuttings from various fruit trees and grafting them to root stocks to bring them out of the dormant stage with the use of artificial light and home heating. <b>Methods/Materials</b> Fruit tree cuttings and root stocks were grafted in three containers. All containers were placed under two 24 inch florescent lights where the light cycle was increased 10 minutes each day for 28 days. Observations were taken daily. <b>Results</b> Two of the four grafts came out of the dormant stage and blossomed. All four of the root stocks were alive and showed growth of foilage. This suggests that the graft did not take on two of the grafted plants. <b>Conclusions/Discussion</b> It is possible to bring fruit trees out of their dormant stage by increasing the light intake and the additon of warmth.	
<b>Summary Statement</b> My project was to determine if I could bring fruit trees out of their dormant stage using root stocks and fruit cuttings	
<b>Help Received</b> My dad help me in the technique of grafting cutting to root stocks. My mom help put my backboard together. My dad purchased the florescent lights for my project.	