



**CALIFORNIA STATE SCIENCE FAIR  
2011 PROJECT SUMMARY**

<b>Name(s)</b> Sophia-Annette L. Hathaway	<b>Project Number</b> <b>J2201</b>
<b>Project Title</b> <b>Is Half Better Than Whole?</b>	
<p style="text-align: center;"><b>Abstract</b></p> <p><b>Objectives/Goals</b> The project was to determine if the BHmax of a magnet would affect the regeneration of planarian. It was thought the magnet would not have any effect.</p> <p><b>Methods/Materials</b> Fifteen Planarian, twenty-five Petri dishes, and pond water were all put together. Then ten of the planarian were bisected and put into the Petri dishes under the specific label (No Magnet, No Magnet (bisected), BHmax 52, BHmax 42, and BHmax 38). The planarians were then measured every day for thirteen days.</p> <p><b>Results</b> The planarian with no magnet grew more in the thirteen day period and the planarian with BHmax 42 grew the least in the thirteen day period.</p> <p><b>Conclusions/Discussion</b> The conclusion is that magnets had little effect on the planarian. The planarians that were bisected actually took longer to grow then the one that was not but the magnets still did not affect the regeneration. This expands the human knowledge to knowing how to regenerate and if people are capable.</p>	
<b>Summary Statement</b> Exposing planarian to different BHmax and observing their growth rate.	
<b>Help Received</b> Mother bought materials;Mrs. Hoffman had guidelines; Ms. Flynn helped through the process.	