



**CALIFORNIA STATE SCIENCE FAIR
2011 PROJECT SUMMARY**

Name(s) Sophia-Annette L. Hathaway	Project Number 31834
Project Title Is Half Better Than Whole?	
Abstract Objectives/Goals 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. Methods/Materials 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. Results 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. Conclusions/Discussion 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.	
Summary Statement Exposing planarian to different BHmax and observing their growth rate.	
Help Received Mother bought materials; Mrs. Hoffman had guidelines; Ms. Flynn helped through the process.	